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Alfred R. C. Selwyn, C.M.G., LL.D., F.R.S.,

DEPUTY HEAD AND DIRECTOR.

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Oct. 31st 3

Dear Mr. Vroom

I have just received the name of the fungus on the Ash leaves you sent to me. It is named Gloeosporium aridum Ell. & Holw. Journ. Mycol. III Page 21.

There is no account of its having done injury in other places but it is one of the forms that cause destruction by blighting the leaves of living trees.

Very truly yours
John Macoun

Mr. James Vroom
St. Stephen
N. B.

Oct. 31st 3

Dear Mr. Brown

I have just received the name of the fungus on the Oak leaves you sent to me. It is named Cladosporium evidens Ell. & Harkn. Journ. Mycol. III Page 26.

There is no account of its having done injury in other places but it is one of the forms that cause destruction by blighting the leaves of living trees.

Very truly yours
Gerard Macoun

Mr. James Brown
St. Stephen
N.B.

Nov. 4th 8

Dear Dr. Selwyn

I have for a long time felt the urgent need of temporary assistance in connection with my botanical work and since it may be some little time yet before you return to Ottawa I thought it would be better to write to you giving you a short statement of the condition of affairs in my department.

In 1881 the ordinary routine work connected with botany was so far in arrears that I decided to have my son remain in Ottawa that summer in order to straighten it out. He was making some headway with it when he was directed in July to go to Behring Sea with Dr. Dawson. At that time every branch of my work was in arrears, there were hundreds of letters to be filed, and without exaggeration thousands of plants to be sent to correspondents in exchange for those received from them. This work is in just the condition now it was then while there is to be added to it the accumulated correspondence of the past two years during which my son was employed

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by the Marine Department and a great many more specimens have been received for which exchange must be sent. Though this work has apparently been neglected it has not really been so for as you know both my son and myself have always been busy but naturally the more important work was attended to first. During the coming winter my time will be fully occupied in arranging and determining the collections of Cryptogams and other material made the past season and in completing the manuscript for the Bird Catalogue. Even without this last work I shall have more than I can do to properly work up the cryptogams. As soon as my son is free to devote himself entirely to botanical work he will be engaged on the collections of flowering plants made by myself and others during the past two seasons and besides there is still much to be done in the 1891 collections, specimens to be got out for mounting, labels written &c. In addition to what I have mentioned the correspondence connected with my department occupies a considerable portion of each day. Many other minor matters such as the arrangement of the herbarium, of the cabinet collections,

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of bird skins, the determination of collections of sent to me for that purpose and other matters must be attended to. This leaves absolutely no time for the clerical work that is in arrears and we are now in the undesirable condition of being compelled to write explanatory letters to correspondents all over the world to whom we owe specimens. Were it possible to procure clerical work help for a few months our letters could be filed under my son's superintendence, labels could be written, and plants distributed so that before spring things would be on a better basis, our debts once paid for plants received we could then in a very short time add a great number of desirable specimens to our herbarium as we have ample material for exchange and hardly a week passes but that some one writes asking to exchange specimens, and thousands could be procured at the trifling cost of writing the labels or our specimens.

I had thought at first of asking your permission to have my son work over time but as the work to be done is for the most part of a clerical kind that can be done by any intelligent person he would be paid fifty cents per hour for work that could be done for about 18 c a

kind advice, the determination of collection of seeds
for that purpose and other matters must be left
. This leaves absolutely no time for the chief
work that is in arrears and we are now in the un-
desirable condition of being compelled to write explaining
letters to correspondents all over the world to whom we
owe specimens. Were it possible to procure a clerk
help for a few months our letters could be filed
under my own superintendence, labels could be written
and plants distributed so that before spring things
would be on a better basis, our debts now paid for
plants received we could show in a way that these
add a great number of desirable specimens to our
herbarium as we have ample material for exchange
and hardly a week passes but that some one writes
asking to exchange specimens, and thousands could be
procured at the trifling cost of writing the labels
new specimens.
I had thought at first of asking your permission
to have my own work done but as the work to be done
is for the most part of a clerical kind that can be done
by any intelligent person he would be paid fifty cents
an hour that could be done for the [illegible]

name some one for the work yourself or allow me to do so.

I am

Very respectfully your obdt. servt.

John Macoun

P.S. I am of course aware that an order-in-council is necessary before money could be paid out but if you are willing that need not prevent the work being gone on with at once.

J.M.

name [illegible] me for the next payment or otherwise
to do so. I am

Very respectfully yours obdt. servt.

Alfred Marvin

P.S. I am of course aware that our redemption bond is necessary before money could be paid out but if you see nothing that could not prevent the needle being put on with at once.

A.M.

day. I have no hesitation in asking you for this extra help as you are aware that for more than two years I have been without assistance which meant of course a considerable saving to the Department. Should you agree to give me a temporary assistant there would be no difficulty in procuring a suitable person who has passed the necessary examination, but to be certain of having a worker it would be well I think to choose some one whom either of us knew would give satisfaction. I would be quite satisfied with any one you might select but if you know no one whom you think would suit I can highly recommend Miss Lizzie Bain who at her father's death was given work in the Department of Railways and Canals where he was Accountant. She was dismissed however last spring when the 20 other clerks were dispensed with. She is a good worker and used to work. As I have just said, I shall be quite satisfied with any one whom you might choose but would not like to have anyone sent here because a place was wanted for her by some one with influence and who might prove rather useless.

Trusting you will see the pressing need there is that I should have help and that you will either

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extra help as you are aware that for more than two
years I have been without assistance which meant
of course a considerable saving to the Department.
Should you agree to give me a temporary assistant
there would be no difficulty in procuring a suitable
person who has passed the necessary examination,
but to the advantage of having a worker it would be not
I think to choose some one either of no know-
would give satisfaction. I would be quite satisfied
with any one you might select but if you have no-
one whom you think would suit I can highly re-
commend Miss Lizzie Bain who at her father's
death was given work in the Department of Railways
and Canals where [illegible] Commission. She has
dismissed however last spring when the staff was [illegible]
was dispensed with. She is a good worker and quite satisfied with
As I have just said, I shall be quite satisfied to
any one whom you might choose but would not like to
have any one dealt here because a place was wanted for
her by some one with influence and who might have
made these rules.
Thanking you in [illegible] that I should have help and that you [illegible]

Nov 6th 3

My dear Sir

Your request of the 4th inst reached me this P.M. I regret to say that I am unable to present the copies of my catalogue you ask for as their distribution is not in my hands.

There are six parts of the Catalogue issued. Part I Polypetalae. Part II Gamopetalae. Part III Apetalae & addendum with index to the three parts in an 60 pages. Part IV Endogens, Part V Acrogens and addendum with index. Part VI Musci with index.

Each part is sold at the nominal price of twenty five cents. Please address our Librarian Dr. John Thorburn at the Geological Museum.

Very truly yours
John Macoun
Naturalist

Mr. James W. Beattie
425 Jefferson St.
Louisville
Ky.

Nov 6th 3

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Very truly yours
John Macoun
Naturalist

Mr. James H. Beattie
425 Jefferson St.
Louisville
Ky

Nov. 6th 5

My dear Madam

Your note of the 2nd inst. came on Saturday and I thank you sincerely for the confirmation of my names of Orthotrichums.

I have never found any Orthotrichum on rocks in Ontario except O. anomalum.

Owing to the want of time I have neglected to hunt up my specimens of of Orthotrichum that have been laid out to mount during the past two years and cannot now lay my hands on O. Hutchinsiae as it is amongst the unmounted specimens I now send. Keep the specimen of O. nudum ~~too~~.

I am very busy getting my collections of last year in shape and find it a slow business.

Very truly yours

John Macoun

Mrs. E. G. Britton
Columbia College
New York.

5

Nov. 6 th

My dear Madam

Your note of the 2nd inst. came to hand yesterday and I thank you sincerely for the confirmation of my names of Orthotrichum.

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Owing to the want of time I have neglected to hunt up my specimens of Orthotrichum that have been laid out to mount during the past two years and cannot now lay my hands on O. [illegible] or it is amongst the unmounted specimens I never send. [illegible] the specimens of O. [illegible] ~~[illegible]~~

I am now busy getting my collection[s] [of] last year in shape and find it a slow business.

Very truly yours
John Macoun

Mrs. E. G. Britton
Columbia College
New York.

Nov. 11th 3

My dear Ellis

I received your note in due time but have had so much on hand I could not attend to it until now. By this mail I send Centuries IV & V of Canadian Musci. Five have been issued and one of Lichens and another of Hepaticae.

The two now sent are short no less than 22 species but I have taken a note of the numbers and will fill them up as I get material.

As soon as I can get my collections in some sort of order I will be able to send you another lot of odds and ends but to tell you the truth I have too many irons in the fire.

Very truly yours
John Macoun

Mr. J. B. Ellis
Newfield
New Jersey.

Nov. 11th 3

My dear Ellis

I received your note in due time but have had so much on hand I could not attend to it until now. By this mail I send Centuries IV & V of Canadian Fungi. This have been issued and one of Lichens and another of Hepaticae.

The last never went as about no less than 23 species but I have taken a note of the number and will fix them up as I get my collection in

As soon as I can get my [illegible] I will be able to send you some sort of order I will be able but to let you another lot of [illegible] and [illegible] but to tell the truth I have too many irons in the fire.

Very truly yours
John Macoun

J. B. Ellis
Newfield
New Jersey.

Ontario but the Humber Plains are very good also. Should I be able to go to Quebec next season I will make a point of visiting the Chaudiere Basin as it has all the elements for the growth of rare plants. Your Lentellaria with white flowers is another albino. Curiously enough last summer produced many of them.

1 Astragalus adsurgens 16 Vesicaria Ludoviciana
2 " pauciflorus 17 Dodecatheon Meadia
3 " pectinatus 18 Malvastrum coccineum
4 " caryocarpus 19 Viola Nuttallii
5 " aboriginum 20 Lithospermum angustifolium
6 Vicia Americana var. linearis 21 Allium reticulatum
7 Thermopsis rhombifolia 22 Œnothera biennis
8 Petalostemum candidum 23 Habenaria viridis var. bracteata
9 Hedysarum Mackenzii 24 Pedicularis Groenlandica
10 Oxytropis Lamberti 25 Polygonum viviparum
11 Erechthites hieracifolius 26 Echinospermum deflexum
12 Erigeron flavum 27 Zygadenus elegans
13 Erysimum parviflorum 28 Potentilla fruticosa
14 Arabis hirsuta 29 Pentstemon acuminatus
15 Comandra pallida 30 Hepatica pinnata

Ontario but the Hamilton Plains are very good also. Should I be able to go to Quebec next Summer I will make a point of visiting the Chaudière Basin as it has all the elements for the growth of rare plants. Genus Lentibularia with white flower is another albino. Curiously enough last summer produced many of them.

1 Astragalus adsurgens 16 Heuchera Richardsonii
2 " [illegible] 17 [illegible] [illegible]
3 " pectinatus 18 Malvastrum coccineum
4 " caryocarpus 19 Vicia Nuttallii
5 " aboriginorum 20 Lithospermum angustifolium
6 Vicia Americana var. linearis 21 Allium reticulatum
7 Thermopsis rhombifolia 22 [illegible] Lewisii
8 Petalostemon candidum 23 Habenaria viridis var. bracteata
9 Hedysarum Mackenzii 24 Pedicularis groenlandica
10 Oxytropis Lamberti 25 Polygonum viviparum
11 [illegible] [illegible] 26 Zygadenus elegans
12 [illegible] [illegible] 27 [illegible] [illegible]
13 [illegible] [illegible] 28 [illegible] [illegible]
14 [illegible] [illegible] 29 [illegible] [illegible]
15 [illegible]

31 Cerastium arvense
32 Peucedanum micrcarpum
33 Zygadenus venenosus
34 Geranium incisum
35 Lobelia Kalmii
36 Phlox Hoodii
37 Gaillardia aristata
38 Monarda fistulosa Var. mollis
39 Stachys palustris
40 Astragalus Missouriensis

41 Aster diffusus (a form)
42 Barbarea vulgaris
43 Senecio aureus Var. Balsamitae
44 Arenaria peploides
45 Phegopteris polypodioides
46 (3) Aspidium spinulosum Var. intermedium
47 (2) This looks like a young frond of Dicksonia punctilobula but may be something else.
48 (1) [illegible] could be a young frond of Osmunda regalis but might be Onoclea sensibilis. I incline to the former.

Mrs. Alex. Brodie
150 Aquilton St.
London.

I am not quite sure about the two last specimens. They are too young.

Very truly yours
John Macoun

A few of the specimens were broken [illegible] as they are placed between boards instead of in [illegible] by Stuhr.

31 Lecanora cerina
32 [illegible]
33 [illegible]
34 [illegible]
35 [illegible]
36 [illegible] Hookeri
37 Cetraria aculeata
38 [illegible] var. [illegible]
39 Stereocaulon paschale
40 [illegible]

---

41 [illegible] (a form)
42 [illegible]
43 [illegible] var. [illegible]
44 [illegible]
45 [illegible]
46 (?) [illegible] var. [illegible]
47 (?) This looks like a young form of [illegible]
[illegible] [illegible]
48 (?) [illegible] like a young form of [illegible]
[illegible]

I am not quite sure about the two last specimens. They are too young.

Very truly yours
John Macoun

A few of the specimens were broken [illegible] as they are [illegible] by [illegible]

Nov. 14th 3

My dear Madam

Your letter and the box with the specimens came yesterday and I have much pleasure in naming the specimens and returning them to you today.

I am very glad to learn that your son and yourself take such an interest in botany because I love it myself and know the pleasure and <u>profit</u> to be derived from it.

Very few of the prairie plants are described in Gray's Manual and my catalogue contains very few descriptions so that it is not to be wondered at if you cannot make them out. Your son has worked well and deserves very great credit and should he, next year, collect grasses and cryptogams I will be very glad to name them for him.

Miss Moodie's plant is most undoubtedly <u>Cypripedium</u> <u>passerinum</u>. I found it in abundance along the Bow River, below the bridge, at Banff two years ago. Niagara Falls and its vicinity are excellent botanical grounds perhaps the best in

Nov. 14th

My dear Madam

Your letter and the box with the specimens came yesterday and I have much pleasure in naming the specimens and returning them to you today.

I am very glad to learn that you are and [illegible] take such an interest in Botany because I love it myself and know the pleasure and profit to be derived from it.

Very few of the prairie plants are described in Gray's Manual and my catalogue contains very few descriptions so that it is not to be wondered at if you cannot make them out. You are to be [illegible] worked with and deserve very great credit and [illegible] should be, most good, called prairie and [illegible] I will be very glad to name them for you.

Miss Brooke's plant is most undoubtedly Cypripedium candidum. I found it in abundance along the River Rouge, below the bridge, at Dearborn [illegible] forty years ago. [illegible] and its [illegible]

[illegible]

Dear Dr. Eckfeldt Novem. 16th 3

Your kind letter with the names of the Lichens arrived in due time and I thank you very much for them. I am very glad I did so well. I send another specimen of No. 111

With this I send Nos. 157 – 190. The specimens were collected chiefly in October last.

Have you ever heard from Fries regarding the Diatoms and others I sent last year?

I am sorry to trouble you so much but I want to put the specimens in the herbarium as soon as possible.

Next year I hope to spend most of the summer on the Gulf of St. Lawrence and expect to collect many species of Lichens as that is a noted region for them. You will notice from Tuckerman that I collected many species there in 1882 and –83.

Very truly yours
John Macoun

Dr. J. W. Eckfeldt
[illegible] and Vine Sts.
[illegible] Philadelphia Pa.

Dear Dr. Eckfeldt

Nov. 16th

Your kind letter with the names of the Lichens arrived in due time and I thank you very much for them. I am very glad I did it well. I send another specimen of No. 111. With this I send No. 157–190. The specimens were collected chiefly in October last.

Have you ever heard from Prof. [illegible] regarding the Diatoms and others I sent last year?

I am sorry to trouble you so much but I want to get the specimens in the herbarium as soon as possible.

Next year I hope to spend most of the summer on the [illegible] of Mt. [illegible] and expect to collect many species of Lichens as that is a rather rich region for them. You will notice from this number that I collected many species there in 1882 and -83.

Very truly yours
Alfred [illegible]

Dr. J. W. Eckfeldt
[illegible] Vine St.
[illegible] Philadelphia Pa.

List of M. R. Cameron's Niagara Plants
Sent November 1883.

1 Quercus palustris
2 Chrysanthemum Balsamita
3 Polygonum sagittatum
4 " acre
5 Euonymus Americanus var. obovatus
6 Solidago patula (Quite rare)
7 Polygonum arifolium
8 Antirrhinum Orontium
9 Potentilla palustris
10 Nesaea verticillata
11 Ranunculus Pennsylvanicus = 60
12 Amaranthus albus.
13 Polygonum Hartwrightii
14 Aster umbellatus
15 Populus alba
16 Sonchus arvensis
17 Physalis lanceolata
18 Lespedeza hirta
19 Lactuca Canadensis
20 Hieracium scabrum
21 Hypericum Canadense = 22 H. mutilum
23 Aster corymbosus
24 Aspidium spinulosum var. intermedium = 27, 29
25 " acrostichoides = 40
26 Osmunda cinnamomea
28 Cystopteris bulbifera
30 Botrychium lanceolatum = 37
31 " Virginianum (small form)
32 " matricariaefolium
33 " ternatum var. dissectum, 36
34 " ternatum var. obliquum 35, 38, 39
41 Asplenium thelypteroides

List of Mr. [illegible] Canby's Virginia Plants
sent November 1873.

1 Senecio [illegible]
2 [illegible]
3 Polygonum sagittatum
4 " acre
5 Eryngium Virginianum var. [illegible]
6 [illegible] (Canby nov)
7 Polygonum arifolium
8 Helianthemum Canadense
9 Potentilla [illegible]
10 Nesaea verticillata
11 Ranunculus Pennsylvanicus = 60
12 [illegible] alba.
13 Polygonum Hartwrightii
14 Aster umbellatus
15 [illegible] alba
16 [illegible] arvensis
17 [illegible] lanceolata
18 [illegible] hirta
19 Lactuca Canadensis
20 Hieracium scabrum
21 Hypericum Canadense = 22 H. mutilum
23 Aster corymbosus
24 Aspidium spinulosum var. intermedium = 28, 29
25 " [illegible] = 40
26 [illegible]
29 [illegible]
30 [illegible] (Canby nov)
31 " [illegible]
32 " [illegible]
33 " [illegible] = 34, 35

42 Scirpus lacustris
43 Desmodium ~~[illegible]~~ ? cuspidatum
44 Prunus Americana I have no doubt.
45 ~~[illegible]~~ Arenaria lateriflora
46 Solidago bicolor
47 Chrysosplenium Americanum
8 Equisetum limosum
Sagittaria heterophylla
1 Trifolium agrarium
2 Oenothera pumila = chrysantha
3 Hieracium aurantiacum
4 Linum usitatissimum
55 Elodes Virginica = 57
56 Lysimachia ~~thyrsiflora~~
58 Silene antirrhina
60 Habenaria psycodes
61 " Lacera
62 " ~~[illegible]~~ blephariglottis (Rather poor.)
63 Corallorhiza innata
64 Viola cucullata
65 Scutellaria lateriflora
66 Moneses uniflora = grandiflora
67 Desmodium paniculatum
I do nothing with the willows. You must get them in flower then when the catkins are full grown and also the full grown leaves. Better get the set over again next spring and mark the tree and bushes.
81 Ulmus Americana
82 Acer saccharinum = 83
85 Populus balsamifera (84 + 87 male catkins) + 88 + 88
90 Cyperus diandrus
91 Carex aurea
92 " crinita + 92"
93 Scirpus pungens

2

[illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] Americana ; here in death
[illegible] [illegible] latifolia
[illegible] [illegible]
[illegible] Americanum
[illegible] [illegible]
[illegible] [illegible]
[illegible] [illegible]
[illegible] [illegible] = [illegible]
[illegible] [illegible]
[illegible] [illegible]
[illegible] Virginica = 57
[illegible] [illegible]
[illegible] [illegible]
[illegible] [illegible]
[illegible]
" [illegible] (Cotton [illegible])
[illegible] [illegible]
Viola cucullata
[illegible] latifolia
Magnolia [illegible] = grandiflora
[illegible] [illegible]
[illegible] [illegible] you must get them in flower
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] the tree and [illegible]
[illegible] Americana
[illegible] [illegible] = 83 [illegible] [illegible] + 58 + 83

94 Carex lupulina = 102
95 Oryzopsis asperifolia
96 Bromus secalinus
97 Carex virescens
98 " intumescens = 115
99 " Careyana ? = 110
100 Juncus articulatus
101 Agrostis scabra
103 Carex Tuckermani
104 " Crawei
105 " polytrichoides
106 " echinata
107 Danthonia spicata
108 Carex var. Oederi
109 " cephalophora
111 Festuca nutans
112 Carex laxiflora var. 116. Very variable ~~116~~
113 " pedunculata
114 " rosea = 117
118 " gracillima
119 Lemna tenuis
120 Panicum dichotomum var. commune Very. I obtained this
121 " latifolium last year. J.M.
122 Carex Grayii

My dear Sir, I have now gone over all your specimens and consider that you have done exceedingly well for one season. You will see by the catalogue how well you have done and allow me to say that I am quite sure you have not yet exhausted the vicinity of Niagara. Below you will find the numbers representing the specimens I want if you can spare them. Nos. 4, 6, 7, 8, 17, 23, 30, 32, 33, 34, 43, 62, 122 and 60. Please remember me kindly to your wife and Mr. Wilson.

Very truly yours, John Macoun

Sorex [illegible] = 102
[illegible]
Blarina [illegible]
Sorex cinereus
" [illegible] = 116
" Cooperi ? = 110
[illegible]
[illegible]
[illegible]
" [illegible]
" [illegible]
" [illegible]
[illegible]
[illegible]
" [illegible]
[illegible]
[illegible] 116. [illegible]
" [illegible]
" [illegible] = 117
" [illegible]
[illegible]
[illegible]
" [illegible]
[illegible]

My dear [illegible], I have now gone over all your specimens [illegible]

Nov. 28th 3

Dear Dr. Britton

I am in receipt of the circular relating to the new "Systematic Botany of North America".

It is scarce necessary for me to state formally that I will do all I can to assist in such a good work because I feel the absolute necessity of it in my work here. Depend upon it a great deal of careful study and comparison has to be done between the northern and southern flora as I am quite sure many old species are covered up of late years.

I know the habitats and range of most of our species and having collected the greater part of the species know absolutely the conditions of soil, situation, and climate under which they grow. In these particulars I can give useful information. Our herbarium, as in the past, is at the service of any gentleman who may

Nov. 28th 3

Dear Dr. Britton

I am in receipt of the circular relating to the new "Systematic Botany of North America". It is hardly necessary for me to state formally that I will do all I can to assist in such a good work because I feel the absolute necessity of it in my work here. Depend upon it a great deal of careful study and comprehension has to be done between the northern and southern flora as I am quite sure many old species [illegible] up of late years.

I know the habitat and range of most of our species and having collected the greater part of the species known absolutely the conditions of soil, situation and climate under which the genus. In these particulars as in the [illegible] may

2

be at work on a group and my advice will always be readily given when considered of any use.

I am greatly in favor of a number of the volumes being in progress at once as it would be discouraging to have to wait many years to get a glimpse, say, at the Chenopodiaceae. You may rely on me for anything in my line, which I may call Geographical Botany.

Very sincerely yours

John Macoun

Dr. N. L. Britton
Columbia College
New York.

be at work on a group and my advice
will always be readily given when convenient
to any one.

I am greatly in favor of a number
of the authors being in progress at once as
it would be discouraging to have to wait
many years to get a Synopsis, say of the
Chenopodiaceae. You may rely on me for
anything in my line, which I may call
Geographical Botany. Very sincerely yours

John Macoun

Dr. N. L. Britton
Columbia College
New York

Nov. 28th 3

Dear Dr. Britton

Your letter of the 16th inst. came here just after I had left for Boston. I reached home on Saturday and came to the office today. My son tells me that the catalogues were sent on receipt of your letter. I will look over our lists of additions to the eastern flora and if I see anything of note I will let you know.

I would be very glad to look over any galley proofs you might send and as I will be at home until spring I can return them promptly.

Very sincerely yours
John Macoun

Nov. 23rd 3

Dear Dr. Britton

Your letter of the 16th inst. came here just after I had left for Boston. I reached home on Saturday and came to the office today & my son tells me that the catalogues were sent on receipt of your letter. I will look over our list of contributions to the collection then and if I see anything of note I will let you know.

I would be very glad to look over any galley proofs of our pamphlet and add notes to all those which I can refer to them personally.

Very sincerely yours
Edwd Morse

Nov. 28th 3

Dear Mr. Garnett

I will try and answer your questions in as few words as possible. Write to Dr. Selwyn regarding the Geological Survey Reports and also about those that are wanting of my Catalogue. There are six parts of my Catalogue issued.

My idea of seeding down the burnt forests is just to sow the seed after the fires—say in the autumn—and the work is done. Mixed grasses should be used just like the meadows on Vancouver Island. It matters little what covers the ground at first as long as it will make pasture and retain the soil in place. As all cannot be seeded at once only the more exposed places should be chosen and the work extended year by year.

Poplar, white spruce and tamarack are our proper making trees. You have Menzies Spruce on the coast, Engelmann Spruce in the mountains and Cottonwood and poplar in the Fraser valley, and very likely other trees.

In writing to Dr. Selwyn you will find out what he can do for you, as regards collections, and

Nov. 28th

[illegible] Mr. Emerson

I write reply and answer your questions in as [illegible] few words as possible. Write to Dr. Lahaye regarding [illegible] the listing in every Rhodes and also about those [illegible] that are something of my catalogue. There are two parts [illegible] of my Catalogue issued.

My idea of seeding down the burnt grounds is just [illegible] now the week after the fire-ray in the autumn- [illegible] and the seeds in drove. Which grasses should be used [illegible] just like the meadows in Vancouver Island. It matters little what covers the ground at first as long as it will make pasture and retain the soil in place. We are [illegible] would be needed at once only the more exposed places should be cleared and the levels extended year by year.

Poplar, white spruce and tamarack are no[illegible] making trees. You have Norway spruce on the east, Englemann's spruce on the mountains and cottonwood and poplar in the Kootenay valley and every little other tree.

In writing to Dr. Ellwanger you will find out what he can do for you, as regards cultivation, and

2

should he speak to me about the matter I will help you all I can.

We have plenty of material here but are short handed and hence may be slow in doing anything but if we promise we will surely perform.

I was very much pleased to see by the paper that you had got the appointment and hope that you will infuse a more active spirit into both literary and scientific life in British Columbia.

Your province has great possibilities but the persistent lying of newspaper writers has done you much harm. Don't be backward in stating the truth—you need not tell it all—but tell no lies and you will make a character. Between ourselves I would scarcely take the ~~one~~ statement of any man in the country regarding an investment, simply because I know so well the constant mis-statements that have been made.

Wishing you every success in your new line of work I remain very truly yours

John Macoun

Mr. R. E. Gosnell
Provincial Librarian
Victoria B. C.

2

Should he speak to me about the matter I will help you all I can.

We have plenty of material here but are short handed and there may be slow in doing anything but if we persevere we will surely prosper.

I was very much pleased to see by the paper that you had got the appointment and hope that you will infuse a more active spirit into both literary and scientific life in British Columbia.

Your province has great possibilities but the impression by many of newspaper notices has done you much harm. (Don't be backward in stating the truth) you must not tell it all - but tell no lie and you will make a character. Between ourselves I would scarcely take the mere statement of any man in the country regarding our circumstances simply because I know how much the constant mis-statements that have been made [illegible]

Wishing you every success in your new line of work I remain very truly yours [illegible]

R. E. Gosnell
Provincial Librarian
Victoria B. C.

Nov. 30th 3

My dear Sir

Your letter came while I was in Boston and was laid aside until my return and I have just now reached it.

It is very difficult to speak dogmatically about our Water-lilies. What we call _N. odorata_ has flowers from 5 inches in diameter to 2 inches. We have _no_ form that _we_ call _N. alba_ but the form in the ponds in Northern Ontario is much smaller than that to the south and has generally a pinkish tinge. The lily I am speaking of is always sweet scented and is more northern in its range than _N. reniformis_ which is generally quite close to the St. Lawrence, Lake Ontario and Lake Erie. I have been working west for the last 12 years and have been out of the range of these lilies. It is too late now to get roots this season but if you write here next spring we will get you roots of the best there [illegible] grows.

Yours sincerely
[illegible]

John W. [illegible]
Elizabeth, N. J.

Nov. 30th 3

My dear Sir

Your letter came while I was in Boston and was laid aside with my letters and I have just now reached it.

It is very difficult to speak dogmatically about our Water-lilies. What we call N. odorata has flowers from 5 inches in diameter to 2 inches. We have not grown that we call N. alba but the form in the ponds in Northern Ontario is much smaller than that to the south and has generally a pinkish tinge. The lily I am speaking of is always sweet scented and is more northern in its range than N. reniformis which is generally quite close to the St. Lawrence, Lake Ontario and Lake Erie, & have been searching north for the last 12 years and have been met by the [illegible] [illegible]. It is [illegible] [illegible] the [illegible] just north of [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

23

Nov. 29th 3

My dear Madam

Your letters of the 21st & 27th inst. are here. I am much obliged for your notes on Dicranum as well as on Ulota and Orthotrichum. I consider them all very valuable and feel assured that you are doing good work. I was looking at the former yesterday and think you have got me out of a tangle regarding some forms of that genus. I send down now Nos. 148 & 150 of Drummond so that you may see my specimens of these Nos. You will also find O. tenellum but the others I cannot find. At present I cannot solve the problem about G. apocarpa being with O. canadense other than that I made a mistake in the habitat and should have said "Lime rocks, Rockcliffe Ottawa". I am quite sure there is a mistake. I have just looked at my specimens of G. apocarpa and find one from the rocks [illegible] of [illegible] showing [illegible] [illegible] [illegible] [illegible] for O. canadense [illegible] [illegible].

Nov. 29th

My dear [illegible]

Your letters of the 21st & 27th inst. are here. I am much obliged for your notes on [illegible] as well as on [illegible] and [illegible]. I consider these are very valuable and feel assured that you are doing good work. I was looking at the former yesterday and think you have left me not a single [illegible] regarding some forms of that genus. I send [illegible] now Nos. 149 & 150 of [illegible] that you may see my specimen of these Nos. You will also find O. [illegible] but the others I cannot find. At present I cannot state the [illegible] about [illegible] other than [illegible] being [illegible] O. [illegible] and about that I made a [illegible] in the [illegible] "[illegible]" I have said [illegible] [illegible]. I have just [illegible] quite [illegible]. [illegible] is a [illegible] [illegible] [illegible] of the [illegible] [illegible] [illegible] [illegible] [illegible] O. [illegible] [illegible] [illegible]

2

I send with this the two specimens of [illegible] on which Kindberg founds his two new species. I am not prepared to say anything about them but the Leamington specimens grew under different conditions from the others.

Owing to the absence of my son the last two years and my work in other lines we have not got all our mounted specimens distributed yet so that the mislaid specimens will turn up yet.

Very sincerely yours
John Macoun

Mrs. E. G. Britton
Columbia College
New York.

2

I send with this the two specimens of Selaginella on which Hieronymus founds his two new species. I am not prepared to say anything about them but the Hieronymus specimens seem under different conditions from the others.

Owing to the absence of my son the last two years and my work in other lines we have not yet all our mounted specimens distributed yet so that the mistake specimens with them up yet.

Very sincerely yours
Lester Warren

Mrs. E. G. Britton
Columbia College
New York.

Nov. 30th 3

Dear Dr. Merriam

Your letter of the 28th inst. came today. In answer I may say that I was unable to go to Harvard on Friday as I had to spend a day with my daughter.

The locality I mentioned where Grizzly bears were so common in 1872 was the Rocky Mountain Portage where the Peace River leaves the Rocky Mountains. I may say in this connection that I never knew a grizzly bear to attack any one nor has any one of our explorers. Mr. McEvoy who has seen numbers of them between Lat. 48° and Alaska never saw a wounded one make any show to fight except last ~~Fre~~ season when a wounded one bit an Indian's hand who fired a shot gun at it at close quarters, after holding his hand for an instant it ran away. Last season many were seen but all ran away as fast as they could.

The antelope were seen on the line of the Pacific Railway near Maple Creek about the Meridian of 110°.

Nov. 30th

Dear Dr. Merriam

Your letter of the 23rd inst. came today. In answer I may say that I was unable to go to Toronto on Friday as I had to spend a day with my daughter.

The locality I mentioned where Grizzly bear was so numerous in 1872 was the Rocky Mountains Portage where the Peace River leaves the Rocky Mountains. I may say in this connection that I never knew a grizzly bear to attack any one nor did any one of our employees. Mr. McLeay who has been resident of these latitudes lat. 69 and Alaska more than [illegible] wounded one make any show to fight except two [illegible] where a wounded one bit an Indian hand who fired a shot gun at it at close quarters, after catching his hand for an instant it ran away. Last season many were seen but all ran away as fast as they could.

The [illegible] were seen on the line of the Pacific Railway near Maple Creek about the [illegible] [illegible]

2

I saw them on April 23rd but earlier in the month the newspapers reported them to be plentiful in the same district. They were more numerous than I had seen them in eight years.

As soon as I can get at them I will put down the mice and Shrews and other Mammals obtained at Banff in 1891, at Indian Head in 1892 and on Vancouver Island the present year.

I have a lot of reptiles collected the last three years but have refrained from sending them as I sent quite a large number to Washington three years since and I have never got a report on them yet.

I remain very truly yours

John Macoun

Dec 1st 3

Dear Mr. Rose

I herewith send you a specimen of Pentstemon Menziesii collected on Mount Benson near Nanaimo, Vancouver Island July 10th 1893. The specimen Mr. Greene had was gathered on ~~Mount Arrowsmith~~ July 18th 1887.

I have never found any others like these. The great trouble at Harvard and Washington has been that the southern forms have been taken by Dr. Gray and others as the types of the species whereas the northern or coast forms were described first. I have known this for a long time and could set quite a number of matters right did not consider it necessary to do so. The Rocky Mountain form is distinct from Scouleri as well as from the one I send you.

Very truly yours

John Macoun

Decr 4th 3

My dear Sir

I have delayed writing so that I could give you definite information regarding sending letters to Rigolette.

I have compared your specimens with mine and believe that both are the new variety Canadense Lindb. Its chief characters are a short stem and pedicel and a blackish capsule. Your plants have the short stem and pedicel of the variety. Perigonale has a very long stem and pedicel. In fact twice as long as yours. Lindberg says there is very little true P. communis in America.

I have published nothing on Canadian Lichens except One Century of dried specimens at $8 and another Century will soon be issued.

The mail closes at Quebec on Dec. 18th at noon and is a regular Canadian Mail to Blanc Sablon there the Newfoundland authorities take charge of it and pass it on. The usual American postage is all that is necessary. Send in care of the H. B. C. & ensure the proper address.

Dec. 11th [illegible]

Dear Sir

I have delayed writing so that I could give you definite information regarding [illegible] [illegible] [illegible].

I have compared your specimens with mine and [illegible] [illegible] are the new variety Canadense [illegible]. This chief [illegible] are a short stem and pedicel and a [illegible] [illegible]. Your plants have the short stem and pedicel [illegible] variety. [illegible] has a very long stem and pedicel. The leaf [illegible] as long as [illegible] [illegible]. I [illegible] there is very little true B. [illegible] in Canada.

I have published nothing on Canadian [illegible] [illegible] [illegible] [illegible] Century of [illegible] specimens at [illegible] and another Century with [illegible] be issued.

The [illegible] [illegible] at [illegible] on Dec. 10th [illegible] [illegible] [illegible] [illegible] [illegible] is a [illegible] Canadian [illegible] [illegible] [illegible] [illegible] the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] it out. The [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible]

2

If you are afraid to depend on the U.S. postage send your letters here and I will forward them with ours.

I may be wrong in calling your specimens var. _canadense_, if so then they are both _perigonale_.

In two years I hope to publish a catalogue of Canadian lichens. I am preparing for it now.

Mr. Jewell D. Sornborger
Cambridge
Mass.

2

If you are afraid to depend on the U.S. postage send your letters here and I will forward them with mine.

I may be wrong in calling your specimens Var. canadense, if so those they are both [illegible].

In two years I hope to publish a catalogue of Canadian Lichens. I am preparing for it now.

Mr Jewell O. Lowburger
Cambridge
Mass.

Dec. 4th 3

Dear Mr. Ruth

I am extremely sorry that you were overlooked in the distribution of Part VI. I do not distribute the work myself but our Librarian does it and sometimes overlooks those who do not receive all our publications.

I have issued six Centuries of Mosses and am now at work on the seventh. I am about to issue the second Century of Lichens and hope to catalogue the whole series in a couple of years.

Very sincerely yours
John Macoun

Mr. Albert Ruth
Superintendent City Schools
Knoxville
Tenn.

P. S. I send Part VI by this mail.
J. M.

Dec. 4th 3

Dear Mr. Booth

I am extremely sorry that you were excluded in the distribution of Part VI. I do not distribute the works myself but our Librarian does it and sometimes overlooks those who do not receive all our publications.

I have issued six Centuries of Mosses and am now at work on the seventh. I am about to issue the second Century of Lichens and hope to catalogue the whole series in a couple of years.

Very sincerely yours
Edward [illegible]

Mr. Albert Booth
Superintendent City Schools
[illegible]
Illinois.

C. W. S. sent Part VI by the mail.

Dec. 4th 3

Dear Dr. Eckfeldt

Both your letters have been received and I thank you very much for them both. I was especially pleased to find that you are interested in the Lichens I collect. Whenever I get a chance I gather what I see, and then send the more interesting ones to you for correct identification. I send you some more of 168 and of 184.

The few I send with this are chiefly Physcia. I confess I find it hard to separate some of them.

Any of the Diatomes of which you may want more either to determine properly or to complete your specimen will be sent at once when asked for. I will clean up every thing this winter if possible. It is more than probable now that I will be in the eastern Rocky Mountains on the border of Montana next summer and on the open prairie to the east. If so I will be on new ground.

Very sincerely yours
John Macoun

John W. Eckfeldt, M.D.
658 Vine St.
Philadelphia Pa.

Dec. 4th 3

Dear Dr. Shufeldt

Both your letters have been received and I thank you very much for them both. I was exceedingly pleased to find that you are interested in the Lichens I collect. Whenever I get a chance I gather what I may and then send the more interesting ones to you for correct identification. I send you some more of 163 and of 184.

The four I send with this are chiefly Physcia. I confess I find it hard to separate some of them.

Any of the Lichens of which you may want more either to determine properly or to complete your specimens will be sent at once when called for. I will clean up, even those this winter if possible. It is more than probable now that I will be in the eastern Rocky Mountains on the border of Montana next summer and on the Pacific coast to the north. If so I will be on [illegible] and [illegible].

Very cordially yours

[illegible]

Dr. R. W. Shufeldt, M.D.

[illegible]

Dec. 4th 3

Dear Mr. Smith

I had the pleasure today of receiving Vol. XIII. of the Transactions of the Kansas Academy of Science and in examining it came on the list of books received within the last three years and find you have not received any ~~list of~~ Catalogue of Canadian Plants. I have seen our Librarian and he has promised to send the six parts at once.

As you are a botanist yourself you will be able to judge of the labor necessary to produce such a work. I am very much pleased with the book received today and find you are doing good work in widening the range of many species of plants in your State.

Very truly yours
John Macoun

B. B. Smyth
Librarian
Kansas Academy of Science
Topeka
Kans.

Dec. 4th 3

[illegible] Mr. Smith

I had the pleasure today of receiving Vol. XIII [illegible]
the Transactions of the Kansas Academy of Science
and in examining it came on the List of books
received within the last three years and find you have
not received any [illegible] Canadian Plants. I have
seen our Librarian and he has promised to send
to [illegible] parts at once.

As you are a botanist you will be able
to judge of the labor necessary to produce such
a work & am very much pleased with the
[illegible] received today and find you are doing good
work in enlarging the range of many species
of plants in your State.

Very truly yours
John Macoun

B. B. Smyth
Librarian
Kansas Academy of Science
Topeka

Ottawa Dec 4th 2

Dear Madam

The two packets of plants reached me in due course and were found to contain many of our desiderata, I shall want to replace from specimens, later in the winter & shall send you a set of my father's plants collected last season on Vancouver Island but as I shall not distribute them until all have been worked over it may be February or March before they are sent to you.

Yours sincerely
Jas. M. Macoun
Curator of Herbarium

Miss Alice Eastwood
Cal. Acad. of Sciences
San Francisco Cal.

Ottawa Oct. 08 3

Dear Sir

Your letter of Aug. 29th was received some weeks since but as it contained nothing that called for an immediate reply it has remained unanswered. When I have time I shall send you specimens in exchange for those we have received from you and I shall not forget the Orchidaceae and Asclepiadaceae for Mr. Schlechter the remaining families but until I get assistance [illegible] I hope under [illegible] [illegible] are fully occupied. I hope [illegible] to be relieved of [illegible] within a few weeks and I shall then get [illegible] consulted with my Director [illegible] out the plants for you

Yours truly
Jas. M. Macoun
Curator of Herbarium

J. Medley Wood A.L.S.
Berea
Durban
Africa

Dec. 5th 3

My dear Sir.

Your specimens came this morning allright and I desire to thank you for them.

There is one thing however I have always forgot to tell you. You have failed in all cases to state where your plants are found. Now the first thing I do when collecting is to put in a slip with place and date so that for all time the specimen is located. The label is something like this —: "In the bog near the museum or in crevices of rocks Niagara Falls 5/12/93": This is a valuable record so I advise you to do this in all cases as your specimens would be useless without your knowledge.

Wishing you a pleasant trip and a safe return I remain very truly yours John Macoun

Mr. Roderick Cameron
Niagara Falls South
Ont.

P. S. Did I ever send you copy [illegible]:
J. M.

Dec. 5 – 96 3

My dear Sir,

Your specimens came this morning alright and I desire to thank you for them.

There is one thing however I have always forgot to tell you. You have failed in all cases to state where your plants are found. Now the first thing I do when collecting is to jot in a slip note the place and date so that for all time the specimens is located. The label is something like this — "On the top near the museum on river of rocks Niagara Falls 5/12/95". This is a valuable record so I advise you to do this in all cases as your specimens would be useless without your knowledge.

Wishing you a pleasant trip and a safe return I remain very truly yours John Macoun

Wm. Roderick Cameron
Niagara Falls South
Ont.

P.S. Did I ever send you copy of Cat.?
J.M.

My dear Sir Dec. 6th 3

I have a better idea now after reading your last note than I had at the first, regarding the information you want.

You know that Linnaeus named the European Nymphaea alba. Later Aiton named the American species N. odorata, having evidently grown the plant in the Royal Gardens at Kew.

In 1803 Michaux described a Nymphaea and named it N. alba L. putting N. odorata Ait as a synonym. In his description he shows that he did ~~not~~ mean N. odorata for he says – "sinus basis angusta" which applies in odorata but not in N. alba. Pursh followed in 1814.

In 1840 Torrey & Gray describe a N. odorata but now make two forms α = N. alba of Michaux and is our odorata but β = what is now called N. reniformis and named N. tuberosa by Paine in his catalogue of Oneida Co. plants over 25 years ago. This var. β is said to have – "sinus and lobes more or less rounded" which exactly suits N. reniformis. When Paine found his N. tuberosa he wrote me and I find the scentless lily

My dear Sir   Dec. 6th 3

I have a letter since now after reading your last note & then I look at the facts regarding the information you want.

You know that Linnaeus named the European Nymphaea alba. Later Willdenow named the American species N. odorata having evidently grown the plant in the Royal Garden at Paris.

In 1803 Michaux described a Nymphaea and named it N. alba M. making N. odorata Ait. a synonym. In his description he shows that he did not mean to include [illegible] for he says — "Flores [illegible]" [illegible] in odorata but not in N. alba. Pursh followed in 1814.

In 1840 Torrey & Gray described a N. odorata but now make their forma a = N. alba of Michaux in our odorata but β = what is now called N. reniformis and named N. tuberosa by Paine in his Catalogue of Oneida Co. plants about 26 years ago. This var. β is said to have — "Flowers scarcely at all odorous" which exactly suits N. reniformis. When Paine found his N. tuberosa he wrote me and I find the [illegible] [illegible]

2

is confined with us to the valley of the St. Lawrence and the Great Lakes.

The name of R. alba var. canadensis is verb. uniflora and Paine's R. virtuosa and its habitat is just where the Jesuit Fathers were constantly passing to and fro.

Very truly yours
John Macoun

Mrs. J. N. Gerard
Elizabeth
New Jersey

P. S. Write to Prof. Penhallow, McGill College, Montreal. He may be able to throw some light on the matter. I am quite sure however that my solution is the correct one.

J. M.

2

is confined with us to the valley of the St. Lawrence and the Great Lakes.

The range of B. alba var. canadensis is north. [illegible] and Pacific; B. [illegible] and its habitat is just where the Jesuit Fathers were constantly passing to and fro.

Very truly yours

John Macoun

Mr. J. B. Leonard
Elizabeth
New Jersey

P.S. White & Prof. Penhallow McGill College Montreal. They may be able to throw some light on the matter. I am quite sure however that my retention is the correct one.

J. M.

Dec. 6th

Dear Capt. Jemmett

Your letter and specimen of wood came safely and I write now to tell you what I know about the trees you speak of.

Your wood specimen is a "Balsam". There are three species. The coast species is Abies grandis which it may be as far as the wood is concerned. From its shortness I think your tree is different. On Vancouver Island and on the Coast mountains there is another "Balsam" which grows pretty high up and may be your tree. It is Abies amabilis and I have found it at 3000 feet at Nanaimo and Qualicum. The Rocky Mountains and Gold Range species is named Abies subalpina and is found at about 6000 feet.

You can take your choice between the two first but from the size I think you mean the first. Dry and fat cones No. 2 has purple cones while in No. 1 they are greenish.

The poplar with the round leaf is Aspen (Populus tremuloides). What you call the Poplar is P. trichocarpa. And the third or Balm of Gilead is P. balsamifera and may be said to be identical with the eastern one.

Dec 6th

Dear Capt. [illegible]

Your letter and specimens of wood came safely and I write now to tell you what I know about the tree you speak of.

Your second specimen is a "[illegible]". There are three species. The most common species is [illegible] which may be as far as the wood is concerned. [illegible] I think your tree is different. On [illegible] Island and on the Great mountains there is another "[illegible]" which grows pretty high up and may be your tree. It is [illegible] and I have found it at 3000 feet at [illegible] and [illegible]. The Rocky Mountain and [illegible] species is named [illegible] and is found at about 1000 feet.

Your [illegible] letter of [illegible] between the two [illegible] from the [illegible] I think your [illegible] No. 2 has [illegible] which [illegible] No. 1 [illegible] ([illegible])

The [illegible] with the [illegible] ([illegible]) [illegible] and the third [illegible] may be said to be identical with the [illegible]

The little flower you speak of is an inhabitant of the dry interior district and is abundant at Ashcroft. It is named _Lewisia_ _rediviva_ and gets its specific name from its coming to life after it is apparently dead.

I would like very much to get some of your _Abies_ or any other conifers you may get in the mountains as it is chiefly by the cones that we can tell the species. I will be glad at any time to give you any information in my power regarding the flora of our common country.

I remain Very truly yours

John Macoun.

Capt. W. J. Jemmett D.L.S.
New Westminster
B.C.

2

The little flower you speak of is an inhabitant of the dry interior district and is abundant at Ashcroft. It is named Lewisia rediviva and gets its specific name from it coming to life after it is apparently dead.

I would like very much to get some of your Coast [illegible] as very little [illegible] in the country as it is chiefly by the ones that we can tell the species. I will be glad at any time to give you any information in my power regarding the flora of our common country.

I remain very truly yours
John Macoun.

Capt. W. G. [illegible] R.E.
New Westminster
B.C.

Dec. 6th,

My dear Sir

Your letter and the box have been here for some time but I could not attend to them until today.

As I said in my last the large branching one is *Hypochaeris radicata*. The other is what I call in Part III *Leontodon hirsutus* but which may be *L. hirtus*. Your specimen is very poor. When I make my own — collected the past year — I will let you know if I make any change.

Now as to the difference — pull a head of the large one apart and see the long beaked achenes mixed with fine chaff. Then take a head of the smaller one and do the same. You will then see there is no beak or a very short one and no chaff among the achenes. The first is Hypochaeris the second Leontodon.

The little plant is *Polygonum coarctatum*. You will find it on rocks to the east or on the east side of Beacon Hill Park. I am very glad you got the Catalogue.

Very truly yours

John Macoun

A. J. Pineo B.C.
31 First St.
Victoria B.C.

Dec. 6th

My dear Sir

[illegible]

[illegible]

[illegible]

[illegible]

Very truly yours

[illegible]

Dec. 4th 0

Dear Dr. Newcombe

I had the pleasure today of receiving your Check List of B.C. Marine Shells. There is no use in saying I am very glad to see it. You know how I feel in the matter and hence am delighted with it. I take it merely as an instalment and look forward to an Annotated list that will help us on distribution.

The Clayoquot shells panned out well. I have counted 184 species on the list and by your examination make some of them look good things.

Since my return I have been working hard on Lichens and after them will take up mosses and then the birds. My son is working on the flowering plants. I am not quite certain what I will be at next year but expect now to be on the prairie in Alberta.

Very truly yours
John Macoun

Dr. C. F. Newcombe
Victoria
B.C.

Dec. 4th

Dear Sir. Newcombe

I had the pleasure today of receiving your check list of B.C. Marine Shells. There is no use in saying I was very glad to see it. For however - I feel in the matter and have been delighted with it. I trust it may be an instrument and look forward to considerable distribution.

that will help me in [illegible], I have

The Catalogue which [illegible] I have recorded 184 species on the list and by your re-clarification made some of them [illegible] things.

Since my return I have been working [illegible] [illegible] and after these and lots of marine and these the [illegible]. They are a working on the [illegible] Thanks. [illegible] are not quite [illegible] what I had to at most [illegible] but expect more to be on the [illegible] in [illegible]. Very truly yours

[illegible]

Dr. C. F. Newcombe
Victoria
B.C.

Dec. 1st 8

Dear Mr. Fernald

Your first letter came while I was at Boston and
I found it on my return. My son was acting as private
Secretary to the Director ever since and we could not
reach to examine your list and ask what we needed.
The second letter received the other day solved that
difficulty and the arrival, today, in good order, of
the whole series of specimens, leaves me nothing
to do but thank you for your great consideration.
Still besides thanks I have to make you a suitable re-
-turn and besides sending a series of additions
to the general herbarium I wish to send you a suitable
return. I can send 600 species from the Rocky and
Selkirk Mountains or can give you the same number
from Vancouver Island. These are not for the Gray
Herbarium but for yourself. I will send numerous
additions to the herbarium this winter but cannot
do so until after the New Year as we will have no
help before. Please say to Mr. Robinson that he can com-
mand me for specimens or anything else at any
time. I have carefully gone over the whole series sent

Dec 1st

Mr. Reinold

Your first letter came while I was at Boston and I found it on my return. By our rules nothing [illegible] lending to the Societies ever since and we could not well [illegible] examine your list and what we would. The second letter received the other day shows that difficulty and the animals, being in good order of the whole series of specimens, leave me nothing to do but thank you for your great [illegible] little besides thanks I have to make you a suitable return [illegible] and besides sending a series of [illegible] of the general collections I wish to send you a [illegible] [illegible] I can send [illegible] from the [illegible] [illegible] Mountains as [illegible] for the same number [illegible] Sandwich Islands. These are not [illegible] [illegible] but for [illegible]. I will send [illegible] [illegible] [illegible] of the [illegible] [illegible] [illegible] [illegible] so [illegible] [illegible] [illegible] as [illegible] after the [illegible] [illegible] [illegible] before. Please say to Mr. [illegible] [illegible] [illegible] [illegible] or anything else at any [illegible] not [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] I [illegible] [illegible] [illegible]

2

and find them a very excellent lot and contain-
ing many critical species and varieties. By the
way I have been collecting Carices for over 30 years and
have many duplicates of rare and not easily obtained species
and could make you up a very nice set of them instead
of the other species I spoke of.

I am very glad to get the forms of C. echinata
as I was never satisfied with the disposal of the species
when I first found terrae-novae 40 years ago no person
knew what it was and I took it to be new. Prof. Bailey
found it out and then made C. sterilis and its varieties.

Since I came back I have looked at my [illegible]
leptocephala. All my specimens are what I called C. biflora
long ago so that true C. leptocephala is southern in its
range and agrees with your specimens which we thought
might be that. With kind regards to yourself and
Mr. Robinson I remain truly yours

John Macoun

Mr. M. L. Fernald
Harvard Museum
Cambridge
Mass.

2

and find there a very excellent lot and contain-
ing many isolated specimens and varieties. By the
way I have been collecting Linaria for over 30 years and
have many duplicates of some and not easily obtained species
and could make you up a very nice set of them instead
of the other species I spoke of.

I am very glad to get the name of L. calcicola
as I was never satisfied with the defense of the species
when I first found these complete 8 years ago or found
there what it was and I took it to be near [illegible]. Prof Bailey
found it out and then made L. affinis and its varieties.

Since I came back I have looked at my [illegible]
[illegible]. All my specimens are what I called L. [illegible]
long ago or that true L. [illegible] is another in its
range and agree with your specimens which we thought
might be that. With kind regards to yourself and
Mrs. Robinson I remain truly Yours

M. L. Fernald
Harvard Museum
Cambridge
Mass.

Dec. 9th

Dear Dr. Britton

The proofs came this morning and I have gone carefully over them. The catalogue is going to be of very great value no matter whether it suits all parties or not. If it be not perfect it will be a long stride in that direction, and will confer a great boon on men like myself who are without many of the old books.

There are two points I wish to call your attention to in this connection. I see that our Savastana (Hierochloa) has only S. borealis. Where is S. alpina? Mr Scribner in naming Stipa Macounii only took a part of S. Richardsonii. Where is the other part? See Macoun's Cat. Pt. V Page 180.

Very truly yours
John Macoun

Dr. N. L. Britton
Columbia College
New York

Dec. 9th

Dear Mr. Britton

The proofs came this morning and I have gone carefully over them. The Catalogue is going to be of very great value no matter whether it suits all fancies or not. If it be not perfect it will be a long stride in that direction and will confer a great boon on men like myself who are within many of the old books.

There are two points I wish to call your attention to in this connection. I see that one [illegible] [illegible] has only P. borealis. Where is the affinis? [illegible] Canadensis in morning [illegible] Macoun's only [illegible] a part of L. Richardsoni. Where is the other [illegible] also Macoun's Cat. Pt. V. Page 174

Very truly yours
John Macoun

Mr. N. L. Britton
Columbia Coll.
New York

Dec. 12th

My dear Sir

After a good while I have been able to work over your box of specimens and with this send the names of those I made out. Many of your Lichens and fungi were so small that if I had not been working at them I would not have been able to recognize them.

There were many interesting things among them but they were all so small they were not worth keeping. Go here and make fairly large specimens of these species next year. If you wet your lichens you can press them flat without injury and in that way you can send many in a small space. I always fold mine loose in paper and put my number on the outside with place and date of collecting. Without you do this the specimen is of no value for a collection. You know this in respect to butterflies. I have taken a copy of my list and with your notes the list is complete as regards date, name and time and when I am publishing the list of lichens and new material they will be very valuable.

I would like the seeds but have nothing to offer

My dear Sir Dec. 12th

After a good while I have been able to work over your box of specimens and with the small names of those I made out. Many of your lichens and fungi are so small that if I had not been working at them I would not have been able to recognize them.

There are many interesting things among them but they are so small they are not worth fixing. To these and make fairly large specimens of the species next year. If you cut your lichens you can leave them without injury and in that way you can send many in a small space. Always fold same loose in paper and put any number on the outside with place and date of collecting. Without you do this the specimens is of no value for a collection. You know this in respect of butterflies.

I have taken a copy of my list and with your notes the list is complete as regards date, name and locality and when I am publishing the list of lichens and mosses [illegible] probably

I would like the next but have nothing to offer

2

you in return. I consider it very important to have a collection but hitherto I have been unable to make a fairly good collection.

At any time I will be glad to name anything you may send as I am much interested in the Rocky Mountains. I have an impression that there are many things around the great glaciers at the head of Lake Louise. I found many interesting things there in one hurried trip.

Your article on the "Sex Ratio in Butterflies" is a valuable contribution to our knowledge of the sexes in various broods at different seasons. I am of the opinion that something outside of nutrition has to do with it as if it were to them feeding would be the sex maker in other species as well as butterflies.

I am mounting all the flowering plants. They are well dried and are good specimens. Please make no more cryptogamic [illegible]. I put a query after all the doubtful determinations on the list.

Mr. Thomas E. Bean
Laggan Station
Alberta

Very sincerely yours
John Macoun

2

you are interested. I consider it very important to
have a collection but [illegible] I have been unable to
make a fairly good collection.

At any time I will be glad to receive
anything you may send as I am much interested
in the Rocky Mountains. I have no information [illegible]
there are many things around the great glacier at the
head of Cook Inlet. I found many interesting things
there in one summer trip.

Your article on the "Ice Caves in [illegible]"
is a valuable contribution to our knowledge of the
area in various lands at different seasons. I am
of the opinion that something outside of [illegible] but
the earth is as if it were [illegible] feeling would be the
ice [illegible] in other places [illegible]

I am [illegible] at the freezing point.
They are well dried and are good specimens. These
make no more [illegible] I trust a good
effect all the [illegible] discrimination on the list.

Very sincerely yours
[illegible]

Thomas E. [illegible]
[illegible]
[illegible]

List of Mr. [illegible]'s Rocky Mountain Plants. Collected 1892.

No. 212 Alectoria jubata var. implexa
210 Usnea barbata var. dasypoga
222 Lecanora tartarea
205 Placodium elegans
221 Cladonia uncialis var. adunca
197 Thamnolia vermicularis
202 Cetraria nivalis
247 Cladonia fimbriata var. tubaeformis
195 Peltigera canina [illegible]
236 Cladonia gracilis var. hybrida = 234+239
235 Mycelium of a fungus.
201 Cetraria juniperina var. terrestris
241 " " var. pinastri
238 Cladonia gracilis var. verticillata
239 " cornucopioides
237 Too poor. Like some 238. ?
233 Cladonia fimbriata ~~var.~~ 246
191 Stereocaulon tomentosum
196 Cetraria Arctica
190 Boletus —— ?
187 Morchella esculenta(?) a Morel.
169 Marchantia polymorpha
178 Bistoria (too poor) ?
188 Agaricus melleus
157 Picea Engelmanii
156 Anaphalis margaritacea
158 Jungermannia [illegible]
159 Dicranum fuscescens
173, 184 These are too poor
161 Ptilidium ciliare
186 Corticium —— ?

160 Scapania undulata
183 Peltigera rufescens
240 Cladonia pyxidata
213 Parmelia centrifuga
214 " " physodes
210 Buellia parasema
229 Cladonia rangiferina
182 Solorina crocea
215 Biatora aeruginosa
248 Cladonia deformis & 246?
162 Webera nutans
164 Hypnum crista-castrensis
165 Rhacomitrium crispula
166+241 Selaginella rupestris (club moss)
167 Dicranum fruticosum
168 Hylocomium splendens
165 Elaeagnus argentea
153 Salix desertorum
152+154 " glauca (a multiform species)
147 Antennaria dioica var. rosea
145 Petasites palmata
146 Zygadenus elegans
142 Cerastium arvense
143 Potentilla dissecta
148 Carex aurea
139 " lagopina
140 Poa alpina
141 Draba conf. incana var. borealis
137 Erigeron salsuginosus
133 Juncus Balticus var. montanus
134 Vaccinium caespitosum
135 Saxifraga oppositifolia
136 " adscendens
Solidago multiradiata

[illegible]

[illegible]

Antennaria dioica var. rosea

[illegible]

126 Epilobium alpinum
127 Draximum flavum var dasyphyllum
128 Oxytropis Lambertii
130 Arnica arctica var grandiflora
131 Valeriana sylvatica
127 Solidago ~~[illegible]~~ var ...
124 Heuchera cylindrica var alpina
125 Veronica alpina
122 Erigeron uniflorus
121 Euphrasia officinalis
120 Saxifraga bryoides
123 " stellaris
119 Anemone parviflora
117 Drollina laxa
118 Aplopappus Brandegei
115 Erysimum cheiranthoides
116 Arabis Holbollii
113 & 114 " Drummondii
110 & 112 Equisetum arvense
111 " scirpoides
109 Bryanthus empetriformis
208 Cetraria Islandica
251 Umbilicaria angulata
216 Galium triflorum
243 Cladonia cariosa (Sidebit fallax)
244 " furcata
242 " mitrula ?
245 " deformis
249 Ephebe pubescens
232 Cladonia Botrytis ?
203 Placodium elegans = 206
204 " cinnabarinum
218 " ferrugineum = 230
226 Pannaria hypnorum = 227

[illegible]

4

224 Lecanora ventosa
222 " subfusca
223 " atra
226 " (Too poor)
225 All too poor and shaded
230 Parmelia centrifuga?
208, 210, 199 Lecidea geographica
220 Umbilicaria, Gyrophora [illegible] Not large enough
182 Cladonia vulgare
180 Lecidea [illegible]
178 Sphaerophorus [illegible]
[illegible] Lenzites sepiaria
176 " " var. [illegible]
170 A Myxogaster with the sporangia
[illegible] Too poor
[illegible] Hydnum gigantium
[illegible] Polyporus [illegible]
175 " ferruginosus
[illegible], [illegible] " vulgaris
[illegible] Merulius (Dry rot)
180 Helotium citrinum
181 Too Poor.
148 Salix myrtifolia? put away with other family
151 " [illegible] This may be a very rare thing
[illegible] " cordata
148 " Too young
[illegible] Potentilla Pennsylvanica?
I would like a complete specimen next year.
A valuable and interesting collection
John Macoun
Ottawa Nov 12th 1893

Dec. 12th 8

My dear Madam

The specimens and your note reached me yesterday. I am very glad to hear from you regarding the Carices. I am afraid Kindberg makes too many species but as I said before I do not propose to do microscopic work and so leave it to others to take the matter up. You will always find me ready to furnish you with any thing I have that will help you in your work. I sent the London specimen to Kindberg as O. strangulatum? but I confess I did not believe it to be so. Even now the capsules look wonderfully like (to me) like O. truncatum.

I can see nothing in the specimens of Ortho. to make new species out of them but accept them in good faith until they are shown to be untenable. I do so with Warnstorf and Renauld & Cardot.

I have had another look for the missing specimens but cannot find them. I send a specimen which Kindberg named O. Holz. but I doubt it. You will see that it is within your limits.

Very sincerely yours
John Macoun

P.S. Retain the specimen but tell me what you make of it. J. M.

Mrs. E. G. Britton
Columbia College
New York

Dec. 12th

My dear Madam

The specimens and your note reached me yesterday. I am very glad to hear from you regarding the Begonia. I am again thinking [illegible] the many species but as [illegible] did not [illegible] the monograph [illegible] to take the matter up.

You will always find me ready to furnish you with any thing I [illegible] can help you in your work. I send the [illegible] specimens of [illegible] [illegible] but I confess I did not believe it to be [illegible]. The [illegible] look remarkably like (to me) [illegible]

I [illegible] nothing [illegible] of Begonias to make more [illegible] but I [illegible] [illegible] [illegible] they are [illegible] [illegible] and [illegible]

I have [illegible] [illegible] for the missing specimens [illegible] [illegible] [illegible] which [illegible] [illegible] [illegible] [illegible] with [illegible] [illegible] [illegible]

[illegible]

Dec. 15th 3

Dear Mr. Fernald

Your letter came in due course and surprised me not a little. It is all right however and I now desire to thank Mr. Robinson for his kindness and to inform him that independent of adding to the series of Canadian plants I will send him a very good set of Vancouver Island plants.

Before spring I will get out a set of my Carices for yourself and as we have distributed very few Carices for nearly ten years it will be pretty full. Later I may ask you for some more Carices but not at present. My own herbarium was the nucleus of our National one and hence all plants sent to me go in there. Later I hope to do something along the Maine border and will hope for any good things in the future by way of [illegible]

Dec 15th 3

Dear Mr. Bernald

Your letter came in due course and surprised me not a little. It is all right however and I now desire to thank Mr. Robinson for his kindness and to inform him that independent of adding to the series of Canadian plants I will send him a very good set of Vancouver Island plants.

Before spring I will get out a set of my ~~distributed~~ Carices in exsiccati and as we have distributed very few Carices for nearly two years it will be pretty full. Later I may ask you for some more Carices but not at present. My own herbarium was the nucleus of our herbarium and hence all plants sent to me go in there. Later I hope the [illegible]

[illegible]

Dec. 16th 3

Dear Sir James

Miss Bain, this morning, told me that you have been good enough to promise to speak to the Minister with reg. and to giving her temporary work in this Department. I beg to send you herewith for your information a copy of a letter written by me to Dr. Selwyn about six weeks ago in which I call his attention to the great need of assistance in my botanical work. This letter has no doubt already been given to the minister of the Interior but as no action has been taken on it you would be doing me as well as Miss Bain, a great favor by again bringing it to his notice. As I know you have always taken a great interest in all branches of Natural Science I shall be very glad if you will take the time to carefully read my letter, to the Director, yourself so that you may know in just what condition my work is at present.

Dec. 16th

Dear Sir James

Miss Baird, this morning, told me that you have been good enough to promise to speak to the Minister with regard to giving her temporary work in this Department. I beg to send you herewith for your information a copy of a letter written by me to Dr Selwyn about six weeks ago in which I call his attention to the great need of assistance in my botanical work. This letter has no doubt already been given to the Minister of the Interior but as no action has been taken on it you would be doing me as well as Miss Baird a great favor by again bringing it to his notice. As I know you have always taken a great interest in all branches of Natural Science I shall be very glad if you will take the time to carefully read my letter to the Director, person- ally so that you may know in point of actual con- dition my work is at present.

2

Miss Bain has left with me this morning the letter her brother spoke of yesterday and this I also enclose to you.

Some time ago Dr. Selwyn told me that he thought of transferring Miss Fraser from the Library to my Department but the Librarian has not been able to spare her and I learned yesterday that she there is no prospect of this being the case so that I see no reason why Miss Bain should not be given to me until Miss Fraser is relieved of her present duties.

I have the honour to be
Sir James
Your obedient Servant
John Macoun

2

Miss Cassin has left with me this morning the letter her brother speaks of yesterday and this I also enclose to you.

Some time ago Dr. Schaeffer told me that he thought of transferring Miss Brewer from the Library to my Department but the Librarian has not been able to spare her and I learned yesterday that there is no prospect of this being the case so that I see no reason why Miss Cassin should not be given to me until Miss Brewer is relieved of her present duties.

I have the honor to be
Sir Yours
Your obedient Servant
Gilbert Thompson

[illegible] J.M.

My dear Sir   Decr. 18th   3

Terrill's Map of Lake Winnipeg is ready for the engraver but will not be published for another year at least. Dr Bell's Map of Lake Winnipeg published in 1878 can be had.

I send with this Terrill's map of North Western Manitoba showing the Forest Distribution and of course the water as well. I hope it may be of use to you.

I wish very much that you would make out a list of the fish that are known to exist in Lake Winnipeg and its tributaries as I am trying to get at the distribution of the fish of the Dominion. Should you get any fish that you cannot make out I would like to see them as I am particularly desirous of seeing the minnows of the west.

Very sincerely yours
John Macoun

M. ... Christopher
Inspector of Fisheries
Selkirk,
Man.

My dear Sir

Dec. 1874 3

Dawson's Map of Lake Winnipeg is ready for the engraver but will not be published for another year at least. Dr. Bell's Map of Lake Winnipeg published in 1878 came to hand.

I send with this Dawson's map of North Western Territories showing the Forest distribution and [illegible] the [illegible] as well. I hope it may be of use to you.

[illegible] very much that you would make out a list of the [illegible] that are known to exist in the Dominion [illegible] as I am trying to get at the distribution of the [illegible] of the Dominion. [illegible] any [illegible] that [illegible] make out I would like to [illegible] as I am particularly desirous of [illegible] the [illegible] of the [illegible].

Very Sincerely Yours

John Macoun

[illegible]
[illegible]
[illegible]
[illegible]

Dec. [illegible] [illegible]

Dear Sir

I have lately begun the examination and determination of my fifteen Vancouver Island plants and when I have completed the Polypetalae will send a set to Harvard. Among these you will find many additions to our Canadian Flora. I enclose specimens of a Claytonia different from any [illegible] [illegible] sent. Will you kindly name it for [illegible]. My father thinks it may be new. I am sending [illegible] specimens so that they may go in this letter but [illegible] [illegible] larger and [illegible] [illegible] will [illegible] send you with [illegible] parcel [illegible] to you

Yours truly

Jno. M. Macoun

Curator of Herbarium

Dr. B. L. Robinson
Harvard University Herbarium
Cambridge
Mass.

Ottawa Dec. 21st. 8

Dear Sir

Your letter of Nov. 22nd was received
in due course and I requested our Librarian to
send you the publications you asked for. I learned
yesterday that they had not been sent you and
and I at once had the matter attended to.
Hoping that they will reach you safely

Yours Truly

Jas. M. Macoun

Mr. Geo. R. Lumsden.
Greenville. Conn.

Ottawa Nov. 9th. 8

Dear Sir

Your letter of Nov. 2nd was received and I regret my failure to answer sooner. [illegible] that the publications you asked for. I learned that they had not been sent you and [illegible] at once had the matter attended to. [illegible] that they will reach you safely

Yours Truly

Geo. M. Dawson

W. H. Turnbull.

Greenville, Penn.

My dear Sir Dec. 22nd 3

Your note of the 6th inst. came in due season and was laid aside and forgotten until today.

You were quite right in sending the Amaranths to Coulter as long as you were satisfied to give up the work. Prof. Coulter has had other material of mine and took care of them.

Last summer I had the good fortune to collect Limnanthes Macounii in abundance in a new locality. It grows in rich damp soil in the spring and as it disappears when the dry weather comes must be collected in spring. The flowers are white. I have it in all states and will send you good specimens (also ripe seed) when I send a lot of specimens to you this winter. We have no help or I would be able to send you many duplicates.

Very truly yours
John Macoun

Prof. William Trelease
Missouri

My dear Sir   Dec. 22nd

Your note of the 6th inst. came in due season and was laid aside and forgotten until today.

You were quite right in sending the Amaranths to Coulter as long as you were satisfied to give up the words. Prof. Coulter has had other material of mine and took care of them.

Last summer I had the good fortune to collect Limnanthes Macounii in abundance in a new locality. It grows in rich damp soil in the spring and as it disappears when the dry weather comes must be collected in spring. The flowers are white. I have it in all states and will send you good specimens (also ripe seed) when I send a lot of specimens to you this winter. We have no help, so I would be able to send you many duplicates.

Very truly yours
John Macoun

Prof. William Trelease
Missouri

Dear Mr. Chamberlain Dec. 22nd 3

Your letter of the 19th inst. came yesterday and [illegible] at once to [illegible] you [illegible]

[illegible] Boston repairs have been made in the Museum of a [illegible] temporary character and at our Club Dinner a week ago we had the matter of a new Museum discussed and our city member - Sir James Grant - has promised to do all he can to further the good work. I expect something [illegible] in the [illegible] [illegible] so that the work may [illegible] start [illegible] [illegible] [illegible]mes.

[illegible] [illegible] wrote Dr. Selwyn and he showed me the letter but he did not catch on to his proposition. However I think the letter is [illegible] just as Dr. Selwyn [illegible]

matters [illegible] now. If money should be placed in the [illegible] [illegible] a new building then your case should be [illegible] as we will want a large Natural History staff. If nothing should be done looking to a new building now the question of want of room for more material and workers would be urged with great force and I could say nothing as the statement would be true. The material I collect at present is just stored away - awaiting the [illegible] of the [illegible] matter -

Dec. 22d 3

Dear Mr. Chamberlain

Your letter of the 19th inst. came yesterday and I at once [illegible] your [illegible]

[illegible] Further reference have been made in the Museum of a temporary character and at our Club Dinner a week ago we had the matter of a new Museum discussed and our City Member [illegible] has promised to do all he can to further the good work. I expect something [illegible] in the [illegible] [illegible] that the [illegible] may [illegible] [illegible]

[illegible] [illegible] wrote Dr. [illegible] and he showed me the letter that he did not [illegible] on to his [illegible]. However I think the letter is [illegible] [illegible] to Dr. [illegible]

[illegible] matter. [illegible] money should be found in the [illegible] [illegible] a new building then you can [illegible] [illegible] [illegible] we will want a large National [illegible] [illegible] staff. If nothing should be done looking for [illegible] [illegible] [illegible] the question of want of [illegible] [illegible] material and [illegible] would be urged with great [illegible] and I would [illegible] nothing as the [illegible] [illegible] [illegible] the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] the [illegible] [illegible]

2

I repeat now what I told you in Cambridge that I will recommend you to any position on the Natural History Staff that will be given to any one studying birds, Mammals [illegible] such a person is [illegible] but I believe the time will not arrive until we have a prospect of a new Museum. As soon as that time arrives I will be alive to the necessity of getting a good man for that work and [illegible] just the man for it.

After the holidays Dr. Selwyn will discuss the work for next year and then I will know ~~what~~ our prospects for next summer are. In ~~the~~ meantime I would do nothing as should you send [illegible] an application it would be placed on file. There are now 52 such applications here.

Very truly yours

John Macoun

2

I expect now what I told you in Cambridge that I will recommend you to any position on the Natural History Staff that will be given to any one studying birds, Mammals and fishes [illegible] such a person is needed. But I believe the time will not come until we have a prospect of a new Museum. As soon as that time comes I will be able to see the necessity of getting a good man for that work and [illegible] find the man for it.

After the Holidays Mr. Sleeper will discuss the work for next year and then I will know what our prospects for next summer are. For the meantime, I would do nothing as should you send [illegible] an application it should be placed on file. There are now 62 such applications here.

Very truly yours
Alfred Meeser

Ottawa Dec. 21st. 3

Dear Sir

Your letter of the 12th inst. was duly received and in reply I beg to say that we [illegible] to enter upon an exchange as [illegible] Our latest collections exchange as you wish — and [illegible] best specimens — are from the Rocky — and [illegible] Columbia and Vancouver Island. Mountains [illegible] and you [illegible] exchange and from [illegible] will be made from [illegible] check-list we can [illegible] desirable [illegible] for you [illegible]

Yours truly

C. G. Pringle Esq.
Charlotte, Vt.

Jas. M. Macoun
Curator of Herbarium

P.S. I find that I have no copies of [illegible] but have but are having one from my house and send it you [illegible]

278 Thuidium recognitum
279 " Blandowii
280 Hypnum filicinum
281 Brachythecium lactum 283, 282, 298
284 " salebrosum
289 " rivulare
285 " ?
286 Raphidostegium recurvans.
287 Climacium dendroides
288 Plagiothecium denticulatum
287 Brachythecium rivulare
290 " ?
291 Amblystegium serpens
292 Amblystegium serpens 294
293 " = 292
296 " subtile
297 Ptilidium polyantha
299 Hypnum imponens
300 " uncinatum
302 Brachythecium plumosum
303 " curvifolium.
304 Thuidium Blandowii
306 Hylocomium Alaskanum?
307 Hylocomium loreum
308a Orthotrichum Braunii = strangulatum
308b " Ohioense (capsule white & not constricted)
295 Amblystegium Y-sowatzkae
302 Brachythecium plumosum
301 (Mixed) but will send it to Europe.
305 Hypnum (Haipidium) ——?
307 Lepidozia reptans
310 Frullania Eboracensis
311 Radula complanata
312 Fegatella conica

E

278 [illegible] recognitum
279 " [illegible]
280 [illegible] [illegible]
281 [illegible] [illegible] 283, 282, 288
284 " [illegible]
283 " [illegible]
285 " ?
286 [illegible] [illegible]
287 [illegible] [illegible]
288 [illegible] [illegible]
289 [illegible] [illegible]
290 " ?
291 [illegible] [illegible]
292 [illegible] [illegible] 294
293 " = 292
296 " [illegible]
297 [illegible] [illegible]
299 [illegible] [illegible]
300 " [illegible]
302 [illegible] [illegible]
303 [illegible]
304 [illegible] [illegible]
306 [illegible] [illegible] ?
307 [illegible] [illegible]
308 [illegible] [illegible] = [illegible] [illegible]
308b " [illegible] ([illegible])
295 [illegible] [illegible]
302 [illegible] [illegible] ?
301 ([illegible]) [illegible] ——— ?

313 Thelochistes polycarpa 314, 315
316 Parmelia? Looks like Physcia specimen but is too obscure
317 Physcia hypoleuca
318 Pertusaria multipuncta
319 Graphis scripta
320 Biatora fusco-rubella
321 " rubella?
322a Lecanora pallescens
322b " subfusca 323
327 Pertusaria velata
324 Physcia stellaris 329 + 328, 325
326 " hypoleuca
330 " obscura
331 Peltigera aphthosa
332 " rufescens 333
334 Ramalina calicaris var. fraxinea
335 Evernia prunastri
336 " furfuracea
337 I can make nothing of this. It is very remarkable.

Fungi just as they came out.

343 Hydnum candidum (Esculent)
356 Lycoperdon pyriforme = 354
355 Scleroderma verrucosum Pers.
357 Nectria coccinea (A young state)
344 Clavaria aurea, Schaeff.
339 Polyporus lucidus Fr.
345 " lacteus, Fr.
338 " applanatus Fr.
352 Peziza coccinea, Fr.
63 Morchella (Helvella esculenta) not the true Morel.
46 Polyporus vulgaris, Fr.
51 Polyporus pergamenus Fr.
0 Panus stypticus, Fr.
2 Polyporus cinnabarinus Fr.

[illegible]

[illegible] 314, 315 — 310?

[illegible] — gracilis? but is [illegible] — 311?

[illegible] — 312?

[illegible] — 313?

[illegible] — 317

[illegible] — 318

" [illegible] — 320

[illegible] — 321

" [illegible] 323 — 322

[illegible] — 324

[illegible] 323 + 328, 325 — 326

" [illegible] — 328?

" [illegible] — 330

[illegible] — 331

" [illegible] 333 — 332

[illegible] dor. [illegible] — 334

[illegible] — 335

" [illegible] — 336

I saw [illegible] of this. It is very remarkable. — 337

[illegible] at [illegible]

[illegible] ([illegible]) — 343?

[illegible] = 354 — 346?

[illegible] — 346

[illegible] ([illegible]) — 347

[illegible] — 344?

[illegible] — 348

" [illegible] — 345?

" [illegible] — 348

[illegible] ([illegible]) not [illegible] — 352

[illegible] — 353

348 Stereum versicolor, Fr.
360 Marasmius rotula
359 Clavaria
358 Phlebia radiata, Fr.
341 Polyporus pinicola, Fr.
347 " adustus, Fr.
349 ~~(Daedalea)~~ Lenzites betulina
340 Lenzites sepiaria Var. porosa
346^a Irpex sinuosus Fr. (? to this specimen)

Dear Mr. White

I have now gone over all your specimens with the above results. I have re-examined the [illegible] and now believe it to be A. Boothii. I still recommend sending it (as will I send this specimen) to Prof. Eaton.^e I make the following notes on the mosses &c.

I am sending 216–219, 221, 224, 236, 237, 238, 240, 248, 267, 272 and many of the Hypnacii to [illegible]. Of the Lichens 321, 316 are in doubt.

No 337 is beyond me. I will try Prof. Farlow who is up in algae.

Your specimens are very fine and in most cases quite ample for all purposes. Reserve all the Hypnacii until I get word from Europe, at which time I will make the necessary corrections.

My son wishes me to say that he will be able to pay you the specimens, [illegible], this winter. We hope to have assistance after the holidays.

Nos. 243 and 272 are very rare with me as you will see by Part VI. It is possible that 272 may be L. nitidus but I doubt it.

With [illegible] greetings
I remain sincerely yours
John Macoun

P.S. Thanks for the [illegible]
The specimens are fine.
J. M

5

[illegible]

Dear Mr. White

I have now gone over all your specimens with the above results. I have re-examined [illegible] and now believe it to be [illegible] [illegible] (as [illegible] this specimen) [illegible] I made the following notes on the [illegible]

I am sending 216–219, 221, 224, 236, 237, 238, 240, 241, 267, 272 [illegible]

[illegible]

Your specimens are very fine and in most cases quite [illegible]

[illegible]

No. 243 and 272 [illegible]

[illegible]

Mr White's List of Edmonton Ont. Plants Collected 1893.

(a) Solidago nemoralis. It has been grown in cultivated ground and hence is better developed than usual.

(b) Carex umbellata. Dewey before his death dropped the var. vicina as nearly all clumps had a few culms (like yours) with both staminate and pistillate spike at top. Nearly all my specimens of C. umbellata are like yours. Dewey named some of my specimens that were nearly all inclined to have tall culms var. brevirostris. You can make var. vicina out of your specimens but I question whether it is more than a form.

(c) Carex laxiflora var. latifolia? The specimen is very fine.

(d) Aspidium cristatum var. Clintonianum. I can make nothing else out of it. I think you ought to send a specimen to Prof. D. C. Eaton. He might throw more light on it. I was going to make it Goldianum but it won't fit.

201 Sphagnum cymbifolium var. laeve = 202+206
204 " medium 206+207
5 " " var. roseum
208 " recurvum var. parvifolium + 209
" " var. pulchrum 211.
" " var. mucronatum
" acutifolium var. pallescens. versicolor
" strictum. | 213 Sphagnum acutifolium var
Gymnostomum calcareum? 218, 217, 216
Cynodontium subalpestre
220 Dicranum scoparium
2 " longifolium
3 Fissidens decipiens

Mr. White's list of Schomberg Ont.
Plants collected 1898.

Solidago nemoralis. It has been grown in cultivated ground and hence is taller & [illegible] than normal.

Carex umbellata (Carey) before his death dropped the name pedicel[illegible] as nearly all sheets had of four culms (like yours) with long, dominant and pistillate spikes at top. Nearly all my specimens of C. umbellata are like yours. Carey's name would cover of my specimens that were nearly all inclined to have [illegible] [illegible] than terminal. You can make two names out of your specimens but I question whether it is wise to do so.

Carex laxiflora var. latifolia! the specimen is very fine.

Cephalanthus occidentalis var. [illegible]. I can make nothing else out of it. I think you ought to send a specimen to Prof. C. C. [illegible]. He might throw more light on it. I was going to make it Echinacea but it wasn't right.

Sphagnum cymbifolium Ehr. Lesq.: 205+206
" medium 206+207
" " var. [illegible]
" " var. laxifolium +209
" [illegible] var. [illegible] 210.
" " var. [illegible]
" var. [illegible]
" acutifolium var. [illegible] [illegible]
" [illegible] / 213 [illegible] [illegible]
" [illegible] ; 218, 217, 216

224 Fissidens incurvum
225, 226, 227, 228 Barbula unguiculata
229 Grimmia apocarpa
230 Hedwigia ciliata
231, Ulota coarctata
232, 233 " crispula
234 " crispa
235 " Hutchinsiae
236 Orthotrichum obtusifolium? 237, 238 may be the same.
239 " speciosum
240 " this may be O. Braunii but I think not.
241 Bartramia Oederiana
242 Philonotis fontana
243 Meesia longiseta
244 Webera nutans 245, 247
246 Bryum bimum
248 Webera cruda, 250, 251
249 Bryum? May be a Philonotis
252 Mnium Drummondii
253 " cuspidatum 254, 255, 256, 258, 259.
257 " pseudo-Lycopodioides
260 " rostratum
261 Aulacomnium palustre var. polycephalum
262 Polytrichum juniperinum 263, 264, 265, 271, 267?
266 " gracile
268 " Ohioense
269 " strictum
270 Pogonatum alpinum
272 ~~Leucodon~~ Leptodon trichomitrium
273 Platygyrium repens.
274 Pylaisia intricata
275 Entodon cladorrhizans
276 Thuidium gracile
277 " abietinum

226 [illegible] [illegible]
225, 228, 227, 228 Barbula unguiculata
229 Grimmia apocarpa
230 Hedwigia ciliata
231 Ulota [illegible]
232, 233 " crispula
234 " crispa
235 " Hutchinsiae
236 Orthotrichum [illegible] ? 237, 238 may be the same.
239 " speciosum
240 " this may be O. [illegible] but I think not.
241 Aulacomnium androgynum
242 Philonotis fontana
243 Mnium [illegible]
244 Webera nutans 245, 247
246 Bryum [illegible]
248 Webera cruda, 250, 251
249 Bryum? may be a Philonotis
252 Mnium [illegible]
253 " cuspidatum 254, 255, 256, 258, 259
257 " pseudo-~~[illegible]~~punctatum
260 " rostratum
261 Aulacomnium palustre var. polycephalum 265, 267
262 Polytrichum juniperinum 263, 264, 271, 267
266 " [illegible]
268 " [illegible]
269 " alpinum
270 Pogonatum [illegible]
272 ~~[illegible]~~ [illegible]
273 [illegible]

Dear Mr. Rhoades Dec. 29th 3

Your letter of the 16th inst. and the skins of Parus Hendersonius came in due time and your note should have been answered before this. Up to the present I have been engaged on the Cryptogams collected last year but hope to be able to get at the mammals and bird skins later in the winter. I made immense collections of shells and other marine organisms on the shores of Vancouver Island and these have got to be sorted.

I was quite successful on the island and obtained many fine things but being a collector of everything I did not distinguish myself particularly in anything. I managed however to collect very many specimens of various forms some of which are unique.

I have one specimen of a shrew that seems to live almost if not altogether in kelp thrown up by the sea. I did not collect it myself but have it from Port Simpson near Alaska.

Academy of Natural Sciences
Philadelphia
Pa.

Very sincerely yours
John Macoun

Dec. 29th 3

Dear Mr. Alexander

Your letter of the 16th inst. and the skins of Paul Haenkenaeris came in due time and your note should have been answered before this. Up to the present I have been engaged on the Cephalopoda collected last year but hope to be able to get at the mammals and bird skins later in the month. I made numerous collections of shells and other marine organisms on the shores of Vancouver Island and these have yet to be sorted.

I was quite successful on the island and obtained many fine things but being a collector of everything I did not distinguish myself particularly in anything. I managed however to collect very many specimens of marine forms some of which are unique. I have one specimen of a shore [illegible] like almost if not altogether in keep, however, [illegible] for the [illegible]. I did not collect it myself but have it from Port [illegible] near Alaska.

[illegible] very sincerely yours

[illegible] Warren

Dec. 29th 3

My dear Sir.

I can now fully understand your "scraps" as we call them. As I said in my last they were in most cases so distinct that there could be no difficulty about them. Your plan was a very good one and absolute accuracy certainly comes from it. As you are aware I take a copy of every list I send out and so can use it again at any time. I think your list sent with the specimens will be quite sufficient but if the full list would not cost you [illegible] trouble I would much prefer it as it could then be written in in full when I am publishing the Lichens

Flat specimens will come all right by mail. I always gather lichens when damp or dampen them and then press them into shape.

An Englishman writes me about you in connection with the Banff Museum. All I can say except what I said to him is that the cases and birds and plants will be sent there next spring if not before. If you have any political friends use them. My hands are tied.

I have marked on the list the species I would like

Oct. 29th

My dear Sir.

I am very glad to understand your "scapes" as we call them. As I said in my last they are in most cases so distinct that there could be no difficulty about them. Your plan was a very good one and doubtless necessary evidently came from it. As you are aware I take a copy of every list I send out so that one is again at my hand. I think your list and with the specimens will be quite sufficient but if the full list would not suit you [illegible] I would make paper if so [illegible] be written in full when

I am particularly fond of the Lichens

[illegible] specimens and come at sight by mail. I always gather Lichens when [illegible] and [illegible] them and them from them with shape.

[illegible] Longfellow wrote me about you in connection with the [illegible] [illegible]. I [illegible] any weight about it and think and thanks and I said to him is that the [illegible] and to [illegible] them most [illegible] if not before. If you have any particular friends we [illegible]. My friends are [illegible]

I [illegible] on the list the species I would like

2

specimens of for the Museum. I am sending back with this the flowering plants except one Willow which I am in doubt about. Should I get a name for it later I will let you know if there be any change.

I am glad you drew my attention to No. 163. I had laid it aside as it was an interesting specimen and forgot all about it. It is *Hypnum turgescens*, Schimp. See Part VI page 245. There you will see the conditions under which I found it.

Should you be in the mountains next summer I may take a run up to Laggan and make an excursion or two with you. I expect to be in Alberta next year.

Very Sincerely yours
John Macoun

Mr. T. E. Bean
Laggan Station
Alberta

Specimens for the Museum. I am sending back with this the flowering plants except one which I am in doubt about. Should I get a name for it later I will let you know of that be any change. I was glad you drew my attention to No. 153. I had laid it aside as it was an interesting specimen and forgot all about it. It is [illegible] [illegible]. See Part II page 245. There you will see the Corallorhiza under which I found the

Should you be in the mountains next summer I may take a run up to Laggan and make an excursion or two with you. I expect to be in Alberta next year.

Very sincerely yours
John Macoun

Mr. G. E. Bean
Laggan Station
Alberta

Jan. 4th 3

My dear Sir

Your note with the beautiful specimens of M. longiseta came yesterday for which accept my thanks. I am glad you are sending the fern to Eaton. Let me know what he says about it. I may say that I believe A. Boottii to be a hybrid between A. intermedium and A. Clintonianum. [illegible] am very [illegible] interested in the result of your [illegible] letters to Eaton.

Would you kindly send me a list of the numbers of last year that are still unnamed and I will send the names as far as we have gone. I may have them and I may not. Send them all at any rate.

Wishing you the compliments of the season

I remain very truly yours

John Macoun

Mr. William White

Edmonton

Ont.

Jan. 4th 3

My dear Sir

Your note with the beautiful specimens of Mr. Longinotti came yesterday for which accept my thanks. I am glad you are sending the fern to Eaton. Let me know what he says about it. I may say that I believe A. Boottii to be a hybrid between A. intermedium and A. Clintonianum. I am very much interested in the result of your application to Eaton.

Would you kindly send me a list of the numbers of last year that are still unnamed and I will send the names as far as we have gone. I may have them and I may not. Send them all at any rate.

Wishing you the compliments of the season

I remain very truly yours
John Macoun

Mr. William White
[illegible]
Ont.

Jan. 4th

My dear Dr. Underwood

Not having heard from you for a long time I thought I would drop you a line and ask how you were getting on with the second lot of Hepaticae I sent you. I received the names of the first 68 packets I sent but have had no report on those from 70 - 114. [illegible] those sent I have a number of others [illegible] I will send as soon as I hear from you. I have found the Lejeunea and it will go with the next lot.

Wishing you the compliments of the season I remain very sincerely yours.

[illegible] Underwood

[illegible]ncastle

Indiana

Amongst the unreported Nos. are 45, [illegible] 69, 23, 30 [illegible], 50, 9

J. M.

Jan. 4th [illegible]

My dear Dr. [illegible]

Not having heard from you for a long time I thought I would drop you a line and ask how you were getting on with the second list of Hepaticae I sent you. I received the names of the first 65 packets I sent but have had no report on those from 70 - [illegible] I have a number of others [illegible] and as soon as I hear from you, I have found the beginnings and it works with the next list.

Wishing you the compliments of the season & remain very sincerely yours,

[illegible] L. M. Underwood

[illegible]ville

Indiana

Among the incomplete list Nos. are 45, 47, 49, 53, 56, 58, 59

of Mo.

Jan. 3rd 4

My dear Sir

Your note and the specimen came in due time. This time I am able to determine it.

[illegible] consulted all the American books and the English Flora but could find no description but on close examination I decided it was an *Alyssum* and as we have a large European collection I looked for it there and at once matched it. It turns out to be

<u>Alyssum incanum</u> L., and is a common [illegible] in France and southern Europe. [illegible] Hastings Co. is a [illegible]. Have [illegible] from the south of Europe in your [illegible] orchard?

I will be glad at any time to name your difficulties if I can but in this case I have been rather slow.

Very sincerely yours

John Macoun

Mr. A. J. Massey

Wallbridge

Hastings Co.

Ont.

Jan. 24 4

My dear Sir

Your note and the specimens came in due time. This time I am able to determine it.

[illegible] as the American beetles and the English [illegible] but could find no description but on close examination I decided it was an Otiorhynchus and as we have a large European collection I looked for it there and at once matched it. It turns out to be Otiorhynchus ovatus L. and is a common [illegible] in Europe and Northern Europe. [illegible]

Washington Co. is a peculiar place, [illegible] from the north of Europe [illegible] [illegible]?

I would be glad at any time to name your [illegible] if I can but in this case I have been rather slow.

Very sincerely yours

[illegible]

Mr. A. J. [illegible]

Woodbridge

Washington Co.

[illegible]

Jan. 3^d 4

Dear Mrs. Britton

Since writing my last note I have found Orthotrichum pritothecium and now send you a specimens from at least two of the localities.

The loose one is from where I have written on the back of the packet. The mounted one is the Rockcliffe specimen. I had them under different names and overlooked them in my examinations.

Kindberg unites Ulota camptopoda and connectens and I believe makes them both Orthotrichums.

I am putting up a century of Mosses & Liverworts and another of Lichens which I hope to issue before spring. Wishing you and Dr. Britton the compliments of the season I remain Very truly

Yours John Macoun

Mrs. E. G. Britton
Columbia College
New York

Jan. 3rd 4

Dear Mrs. Britton

Since writing my last note I have found

Catharinea [illegible] and now send you

a specimens from at least two of the localities.

The same [illegible] is some others I have written to the

[illegible] of the packet. The numbers are in the [illegible]

specimens. I had them under different names

and overlooked them in my examinations.

Kindberg wrote [illegible] [illegible] and [illegible]

and I believe makes them both Catharinea.

I am putting up a century of [illegible] Lichens

and another of Lichens which I hope to issue before

spring. Wishing you and Dr. Britton the

compliments of the season I remain Very truly

Yours

John Macoun

Mrs. E. G. Britton
Columbia College
New York

Jan. 8th 4

My dear Sir

I now send you the names of a number of things you sent last year or rather in 1882. I may have sent some of these names before but it is better to send them all.

403 Amphoridium Lapponicum
417 Hypnum impoorens
415 Grimmia Agassizii
408 Plagiothecium denticulatum
406 Rhacomitrium microcarpon
426 Thuidium delicatulum
411 Hypnum ochraceum
409 " riparium
398 " eugyrium
419 Pylaisia? velutina?
400 Hedwigia ciliata
413 Mnium hornum
420 Webera albicans

Lindberg has many others which he has not reported upon yet. If you have any collections

Jan. 24

My dear Sir

I now send you the names of a number of things you sent that you collected in 1872. I may have sent some of their names before but it is better to send them all.

405 Amphoridium Lapponicum
417 Hypnum imponens
415 Dicranum Bonjeanii
408 Plagiothecium denticulatum
406 Rhacomitrium microcarpon
426 Thuidium delicatulum
411 Hypnum ochraceum
409 " reptile
358 " eugyrium
419 Pylaisia velutina ?
400 [illegible]
413 Mnium hornum
420 Webera albicans this which he has not

Kindberg has many. If you have any collections [illegible] before yet.

2

made the first year especially Lichens you might send them out as I am working at Lichens at present. During the next two years I will be at work on this family and would like as many examples as possible.

Wishing you a happy New Year
I remain yours truly

John Macoun

Mr. John Moser
Hawthorn Home
Queen's Co. N.B.

made the past year especially Lichens you might
well know so as I am working at Lichens at
present. During the next two years I will be
at work on this family and would like as
many examples as possible.

Wishing you a happy New Year
I remain yours truly
John Macoun

Mr. John Moser
Hampton's Ferry
Queen's Co. N.B.

List of Mrs Brodie's Plants

1 Boehmeria cylindrica
2 Trifolium
3 Geranium Richardsonii
4 Chenopodium album
5 Convolvulus spithamaeus
6 Atriplex patula
7 Erigeron Canadense
8 Chenopodium ~~rubrum~~ capitatum
9 ~~[illegible]~~ Decodon verticillata
10 Erigeron strigosum
11 Elodes campanulata
12 Veronica peregrina
13 " serpyllifolia
14 Apocynum Cannabinum
15 Lespedezia hirta
16 Spiranthes cernua
17 Silene antirrhina
18 Arctostaphylos uva-ursi
19 Gnaphalium polycephalum
20 Sisymbrium officinale
21 Nasturtium palustre
22 Phlox divaricata
23 Solidago latifolia
24 Eupatorium maculatum
25 Eriophorum Virginicum
26 Conioselinum Canadense
27 Cardamine hirsuta
28 Aster multiflorus
29 " foliaceus
30 " paniculatus
31 Solidago squarrosa
32 " nemoralis

List of Mr Purdie's Plants

1 Achimenes [illegible]
2 Bignonia
3 [illegible] Purdieana
4 [illegible] album
5 [illegible]
6 [illegible]
7 Begonia [illegible]
8 [illegible]
9 [illegible]
10 Begonia strigosum
11 [illegible]
12 Clusia peregrina
13 " [illegible]
14 [illegible]
15 [illegible] lutea
16 [illegible]
17 [illegible]
18 [illegible]
19 [illegible]
20 [illegible] officinale
21 [illegible]
22 [illegible]
23 [illegible]
24 [illegible]
25 [illegible] Virginiana
26 [illegible]
27 Cardamine hirsuta
28 [illegible]

33 Solidago humilis
34 " caesia
35 Eriophorum polystachyon
36 Asclepias tuberosa
37 Aster azureus
38 " dumosus
39 Erigenia bulbosa

My dear Madam

Above you will find a list of all the species of plants sent in the box. Should you have specimens of Nos. 37, 38, 39 to spare I would like to get them for our herbarium. It is quite evident that the last one came from west of Toronto and perhaps the others also.

I suspect Nos. 21 & 23 came from the North West. If No. 25 did not it is not correctly named and may fall in with Novae-Belgii which A. [illegible] foliaceus is like. I have examined it again and now think it did not come from the west and is therefore A. Novae-Belgii. If you have a specimen of this also to spare I would like one.

Very sincerely yours
John Macoun

Mrs. Alex. Brodie
45 Cr. Aiguillon St.
Quebec.

[illegible]
"   [illegible]
[illegible]
[illegible]
[illegible]
"   [illegible]
Erigenia bulbosa

My dear Madam

Above you will find a list of all the species of plants sent in the box. Should you have specimens of Nos 27, 38, 39 or others I would like to get them for my collections. It is quite evident that the last one came from east of Toronto and perhaps the other also.

I analysed No. 27 [illegible] from the north [illegible]. If No. 25 did not [illegible] it is not exactly normal and may [illegible] with [illegible] which the [illegible] is like. I have examined it again and now think it did not come from the west and is [illegible]. If you have a specimen of this one I would like one.

Very sincerely yours
John Macoun

Mrs. Alex. [illegible]
45 [illegible]
Quebec.

Jany. 4th 4

My dear Madam.

The parcel came yesterday and I examined the plants. For some reason your letter was sent to my house and hence I wrote out the list without knowing you had sent a letter.

I am sincerely glad your son came out so well and have great hopes for him in the future. Enthusiasm wins every time and only those who are full of it come to the top and stay.

It is rather doubtful now whether I can go east next summer or not but my son who is married to the Rev. Mr. Maclennan's daughter of Levis will likely spend his holidays around Quebec and as he is an adept in botany your son and he might have a good time together. I will always be prompt and willing to help your son with his botany as I believe he is very deserving. Should I go at any time to Quebec I will make you a call and spend an hour talking botany. Too few care for the flowers.

Very sincerely Yours
J. Macoun

My dear Madam. June 4th

The parcel came yesterday and I examined the plants. For some reason your letter was sent to my house and hence I wrote out the list without knowing you had sent a letter.

I am sincerely glad you are come out so well and have good hopes for them in the future. [illegible] since every three and only those which are fit to it came to the try and keep.

It is rather doubtful now whether I can get out next summer or not but my son who is married to the Rev. H. Mackinnon's daughter of Lewis and likely spend his holidays around [illegible] and as he is an adept in botany your son and he might have a good time together. I will always be pleased and willing to help your [illegible] with his botany as I believe he is very deserving. [illegible] at any time to [illegible] I will write you [illegible] and [illegible] for the [illegible]

[illegible]

Jan. 4th 4

Dear Dr. Merriam

I write partly at this time to thank you for your two latest articles - on the Yellow Bear and the new Ground Squirrels, and partly to acknowledge your letter of Nov. 20. but chiefly to talk of our contemplated work for next year.

Your letter to Dr. Selwyn came in due course and as usual he did not "catch on" to your meaning. When I came back from Boston I went at once to Dr. Dawson and laid my plan before him. He was pleased with it and said it was the right thing to do. I never hinted to Dr. Selwyn that we had spoken of the matter in Boston. He showed your letter to me but thought we knew enough about the animals of the prairie I told him we had general knowledge but not particulars. He became sick shortly after and has never spoken to me since about the subject.

Jan. 4th

Dear Dr. Merriam

I write finally at this time to thank you for your two latest articles - on the Yellow Bear and the new Second Symposium, and finally to acknowledge your letter of Nov. 10. But chiefly to talk of our contemplated work for next year.

Your letter to Dr. Schwaegen came in due time and as usual he did not "catch on" to your meaning. When I came back from Boston I went at once to Dr. Dawson and laid my plan before him. He was pleased with it and said it was the right thing to do. I never hinted to Dr. Schwaegen that we had spoken of the matter in Boston. He showed your letter to me and thought we knew enough about the Americans of the prairie. I told him we had general knowledge large but not particulars. He became quite thoroughly [illegible] and has never objections to [illegible] investigations [illegible] the [illegible]

2

I am not aware whether he has amused you or not and would be glad if you would write me a note regarding your intended work and what you would be glad we could do for you. Suggest neither methods nor lines of exploration but ask explicitly for information and show its importance to us as well as to you.

Do not refer at all to this letter nor say anything about our conversation but ask me or tell me anything you choose. I will take your letter to Dr. Selwyn at once and if he does not agree with me I will go to the minister and have it done. As it is I will have Spreadborough at Fort McLeod some time in March so that we will know for a certainty when the Spermophiles come. but of the hibernating stage

2

I am not aware whether he has answered
you or not and would be glad if you
would write me a note regarding your
intended work and what you would be
glad we could do for you. Suggest matter
methods on lines of exploration but ask
explicitly for information and show its
importance to us as well as to you.

Do not refer at all to this letter nor
say anything about our conversation but
ask me to tell me anything you choose.
I will take your letter to Dr. Sharpe at
once and if he does not agree with me
I will go to the ministers and have it done.
As it is I will have [illegible] at [illegible]
Mr Bond wrote him in March so that we
will [illegible] for a [illegible]
[illegible]

I have fully made up my mind what to do next year or rather season, and will see that I am allowed to do the work as I wish. Spreadborough will be on the ground by April 1st and I will get out by June 1st and we will then take the field in earnest. If I am allowed to do as I wish I will take three years to do the work and do it thoroughly. At anyrate I will work from Chief Mountain east and north and do a good job. As soon as I get to work on the skins I will send down the mammals for your inspection.

Wishing you the compliments of the season I remain truly yours

John Macoun

C. H. Merriam
Division of Ornithology
Washington
D.C.

I have fully made up my mind that I [illegible]
give an active enemy and not see that I am about
to do the work as I wish. Given enough will
be on the ground by first and I can get out by
June 1st and are now there later the fields in camp.
If I am allowed to do as I wish I will take
three years to do the work and do it thoroughly.
At any rate I will work from likely Mountain
east and north and do a good job. As
soon as I get the work on the plain I will
send down the manuscript for your inspection.
Wishing you the compliments of the
season I remain truly yours
[illegible]

Dr. H. Merriam
Division of Ornithology
Washington
D.C.

Ottawa Jan. 11th 94

Dear Sir

Your letter was received to-day and in reply I beg to say that my labours are devoted exclusively to herbarium work so that I can personally do nothing to help you. I have however sent your letter to Prof. Wm. Saunders, Director of the Central Experimental Farm where nearly all of our Canadian shrubs and trees are grown from seedlings and he will I think be able to send you at least a part of those you ask for.

I would much like to exchange dried specimens of Canadian plants for those of your region, would you care to make such an exchange or do you know any botanist who would.

Yours truly
Jas. M. Macoun
Curator of Herbarium

Mr. V. [illegible]
[illegible]
[illegible] Russia?

Ottawa Jan. 11th 9

Dear Prof. Saunders

The enclosed letter was received by my father today and I have just written Mr. C. Sivers that it has been handed over to you as he is not able to do any thing for him

Yours truly

Jos. M. Macoun

Jan. 15th 4

Dear Mr. Britton

Both your letters came today and I thank you very much for them both. I may say regarding the last note re. _Hallii_ that in a late letter from Kindberg he changes _Hallii_ into _O. Schimperi_ so that he comes close to your ideas there. It is very likely that you are quite correct in making the specimen in part _O. brachytrichum_ instead of _O. Schimperi_.

Now I am quite willing to send my specimens to you for identification, _first_, from this time forward if you will take them in hand and I will be particular to retain part of the identified specimens for Kindberg or myself. I will commence a series of numbers and keep them steadily on in regular order so that a citation would always be made from the same number. Perhaps you would rather only take up those you have gone over and leave the other Genera until you reach them. If you prefer this I am agreeable and will cheerfully do anything you recommend except to term myself [illegible] to such a name as [illegible]

Jan. 15th '4

Dear Mr. Dalton

Both your letters came today and I thank you very much for them both. I may say regarding the last note re. Kohl's that in a late letter from Hirschberg he changes Kohl's with C. Lehmingii's so that he seems close to your ideas there. It is very likely that you are quite correct in making the specimens in part C. trachyphotheca instead of C. Lehmingii.

Now I am quite willing to send my specimens to you for identification, but from this time forward if you will take them in hand and I will be particular to retain part of the identical specimens for Hirschberg [illegible] to myself. I will commence 1st series of numbers and label them plainly in regular order so that a duplicate will always be made from the same numbers. Perhaps you would rather only take up those you have gone over and leave the others until you reach them. If you prefer this I am agreeable and will cheerfully do anything you recommend except to turn my [illegible] in [illegible] with [illegible]

or one of that "ilk". I have every confidence in you that you will not go farther than you know and hence my willingness to be guided by you. If you have any desire to take my specimens up in the future let me know your plan and I will fall in with it if possible.

Next season I expect to collect on the Prairie and Rocky Mountains north of Montana and hope to get many species not yet collected.

Very truly yours
John Macoun

Mrs. E. G. Britton
Columbia College
New York.

...me of that ills? I have every confidence in your
...that you will not go farther that you know and have
my willingness to be guided by you. If you have
any desire to take any specimens up in the fall let
me know your plans and I will join in with it if
possible.

Next season I expect to collect on the Prairie
and Rocky Mountains with G. Macoun and hope
to get many species not yet collected.

Very truly yours
John Macoun

Dr. N. L. Britton
Columbia College
New York.

Jan. 8th 4

Dear Prof. Peck.

I was much pleased the other day to receive the 45th & 46th Annual Reports of your State Museum and write at this time to thank you for them. I am always pleased to receive publications but particularly so to receive yours.

I see that you have prepared plates of the Edible Fungi of your State with descriptions of the various species. Have they been published yet?. If they have we will get them for our library as I consider them of the greatest value to us as they will well illustrate our Edible Fungi as well as yours.

During the past summer I collected about one hundred species of Fungi on Vancouver Island. These are chiefly named by Mr. Ellis but I will send you a set of specimens as soon as I can get at them.

Very truly yours
John Macoun

Prof. C. H. Peck
Albany

Jan. 8th [illegible]

Dear Prof. Peck:

I was much pleased the other day to receive the 46th & 47th Annual Reports from State Museum and wish at this time to thank you for them. I am always pleased to receive publications but particularly so to receive yours.

I see that you have prepared plates of the Edible Fungi of New York with descriptions of the various species. Have they been published yet? If they have we will get them for our library as I consider them of the greatest value to us as they will aid and illustrate our edible fungi as well as yours.

During the past summer I collected about one hundred species of Fungi on Vancouver Island. These are chiefly named by Mr. Ellis but I will send you a list of them [illegible]

[illegible]

Jan. 18th

Dear Sir

Your letter was received some time ago and I must apologize for the long delay in answering it. For the first time since I came to this Department 13 years ago I have assistance in my herbarium work and to-day a young lady started label writing under my direction. As soon as I receive from you a marked check-list I shall get out for you the first packet of plants. Please do not notice errors in the check list which I send to-day it was compiled from Patterson's in a great hurry

Yours truly

Jas. M. Macoun

Curator of Herbarium.

C. G. Pringle Esq.

Charlotte, Vt.

Jan. 1914

Dear Sir

Your letter was received some time ago and I must apologize for the long delay in answering it. For the first time since I came to this Department 12 years ago I have assistance in my herbarium work and today a young lady started label writing under my direction. As soon as I receive your copy a marked check list I shall get out for you the first packet of plants. Please do not notice errors in the check list which I sent today it was compiled from collections in a great hurry.

Yours truly

Geo. M. Macoun

Curator of Herbarium.

[illegible] Esq.

Charlotte, N.C.

Ottawa Jan. 1911 3

Dear Sir

I sent you yesterday a small packet
containing my father's Epilobiums and Thalictrums of
last season's collecting. I sent you two specimens of
[illegible] Macounii which I thought you might like
to distribute. It will go from here to all the large
herbaria. When you have examined the Epilobium
please advise us by number of any changes you
may make in the determinations. For the first time
in the 12 years I have been here I have assistance
in my herbarium work and we will distribute many
thousand specimens before spring. I shall begin
sending to you in a few weeks and will keep a list
of those sent so that what go to you this year may be
supplemental to the future

Yours truly
Jas. M. Macoun
Curator of Herbarium.

Dr. Wm. Trelease
Shaw School of Botany
St. Louis Mo.

Ottawa Jan. 1911

Dear Sir

I send you [illegible] a small packet
containing my [illegible] Epilobiums and Thalictrums of
last season's collecting. I send you two specimens of
Macounii which I thought you might like
[illegible]. It will go from here to see the large
[illegible] there is nominal the Epilobium
[illegible]. These [illegible] remember I carry whenever you
[illegible] the first time
[illegible] in the [illegible] I have ever lived
in the 12 years I have been distributing
my Epilobiums [illegible] I could begin
[illegible] before spring. I will [illegible] a list
[illegible]
[illegible] what you [illegible] the
[illegible] in the future.

Yours truly
Jas. M. Macoun
Canadian Herbarium.

Wm. Trelease
Shaw School of Botany
St. Louis Mo.

Ottawa Jan. 19th 3

Dear Sir

At last I have assistance in my botanical work and to-day a young woman began writing labels for this years Vancouver Island collection so that I shall very shortly be able to send you the plants due you. I return your check-list which you said you wished to have again. When I get it back I shall send you the first lot of specimens. Will you kindly tell me when you obtain the list how many plants are due you as I have no idea how we stand

Yours truly

Jas. M. Macoun

Mr. J. A. Morton

Wingham

Ont.

Ottawa Jan. 19th [illegible]

Dear Sir

At last I have succeeded in my
[illegible] work [illegible] to-day a young woman to [illegible]
[illegible] the [illegible] Vancouver Island collection
labels for the [illegible] be able to send you the
I should very shortly [illegible]
[illegible] I enclose you a check-book which
[illegible] you wished to have again. When I get it
[illegible] you [illegible] the first lot of specimens.
I should send you [illegible] [illegible]
[illegible] your kindly [illegible] [illegible]
[illegible] [illegible]

Yours truly
Jas. M. Macoun

Jan. 20th 4

My dear Sir

Both your notes were received in due time. Regarding the first I may say that the numbers you mentioned are amongst those that Lindberg says are "resting". As soon as I get a little farther ahead with my work I will stir him up. He can do very little in the short winter days as the light is poor.

I am very glad you sent the ferns to Eaton as his opinion is very valuable he being the highest authority on ferns in America. I find that his opinion agrees in the main with mine and that your specimen is Boottii and that it is a hybrid between cristatum and a form of spinulosum. We have now a basis to work upon and in the future I will be on the lookout for hybrids. At last we have obtained assistance and during the next two months will distribute many

Jan. 29th

My dear Sir

Both your notes were received in due time. Regarding the point I may say that the numbers you mentioned are amongst those that Hindley says are "reacting". As soon as I get a little further ahead with my work I will state him at the ... are ... very little in the short winter days as the light is poor.

I am very glad you sent the form to Cushman as his opinion is very valuable he being the highest authority on forams in America. I find that his opinion agrees in the main with mine and that your specimen is Bolivina and that it is a typical between Textularia and a form of Virgulina. We have now a basis to work upon and in the future I will be on the lookout for typical ... At least we have obtained connecting and showing the most ... with distinct ...

2

of our duplicates.

My son wishes you to send down as soon as convenient a memo. of our indebtedness to you. Within a couple of weeks we will be able to send you a number and later we will get out of your debt. Any additional species you can send will be gladly received after you get our parcel.

Very sincerely yours

Mr. James White
Edmonton
Ont.

John Macoun

2

was disappointed.

We are wishing you to send down as soon as convenient a record. If we understand it you. Within a couple of weeks we will be able to send you a remainder and later we will get out of your debt. Any assistance which you can send will be gladly received after you get our hand.

Very sincerely yours
Ethel Morris

James White
Edmonton
Ont.

Jan. 20th 4

Dear Prof. Penhallow

Your note of the 15th inst. came in due time but I have not answered as I hoped to see our specimens that have been at Chicago, before writing. I can spare scraps of some of the Vancouver Island woods as I obtained a good series of them last summer but if you want good sized specimens you can get them from my man William Spreadborough who collected those I have. Should you write him tell him the kinds you want (English and Latin names) and the size of the specimens you require and he can get you about 20 species. I can send you a small specimen of P. Murrayana and one of A. grandis and perhaps a scrap of A. amabilis. Let me know exactly what you want.

Very truly yours
John Macoun

P. O. Address
William Spreadborough
Victoria [illegible]
B.C.

Jan. 21st

Dear Prof. Cockerell

Yours note of the 15th inst. came in due time but I have not answered as I hoped to [illegible] on specimens that have been at [illegible] before writing. I can spare nests of some of the Vancouver Island [illegible] as I obtained good series there last summer but if you want good [illegible] specimens you can get them from my man Wilkins [illegible] who collected them [illegible] I have. Should you write him let him know [illegible] you want (English and Latin names) and the [illegible] of the specimens you require and he can get you about 25 species. I can send you a nest specimen of [illegible] and [illegible] of [illegible] and photographs [illegible] of A. [illegible]. Let me know exactly what you want.

Very truly yours
[illegible]

C. Wilkins
[illegible]

Jan. 22nd 4

Dear Mr. Eckfeldt.

By this mail I send a few odds and ends to you for determination. I have now gone over all my collections and await your decisions to clear up everything.

The past summer an expedition was sent from here across the "Barren Grounds" and brought back 22 species of plants. Many of them were of considerable interest but as we have nearly all the Arctic plants they were easily determined. There were 23 species of lichens all of which you have had from me except one which I take to be the long looked for Lecanora Richardsonii. I send half the specimen. Is it as above.? If you have any of the B[illegible]toras determined please send me their names.

Very truly yours
John Macoun

[illegible] W. Eckfeldt
[illegible] Vine St.
Philadelphia
Pa.

Jan. 22nd

Dear Mr. Eckfeldt:

By this mail I send a few [illegible] and ask of you for determination. I have never gone over my collections and await your decision to clear up everything.

The past summer our expedition was sent here across the "Barren Grounds" and brought back 22 species of plants. Many of them were of considerable interest but as we have mainly as the Arctic plants they were mainly determined. There were 23 species of Lichens all of which you have had from me except one which I take to be the long looked for Lecanora Richardsonii. I send half the specimen. Is it so alone? If you have any of the Richardson determined lichens send me the name.

Very truly yours

[illegible]

Mr. Eckfeldt
[illegible] Oliver St.
Philadelphia
Pa.

Ottawa Jan. 2nd [illegible]

[illegible] I have just completed the examination
of my father's umbellifers from Vancouver Island
[illegible] [illegible] the [illegible] of the specimens I notice
[illegible] [illegible] [illegible] [illegible] that had not been
before found nothing new a [illegible]
[illegible] before from that place. He collected
but one perfect specimen of what I have called
Carum Gairdneri var. latifolium, and of these I send
you the larger half. Will you at your leisure tell
me what you make it. I find you have by some
misfortune got the wrong year and date for my
Ligusticum [illegible]. You must have mislabeled
the specimen sent you. It was collected at Cape
[illegible], Vancouver Island, Aug. 28. 1891

Yours [illegible]
Jas. M. Macoun
Curator of Herbarium.

[illegible] John M. Coulter
Crawfordsville Ind.
U.S.

Ottawa Jan. 22nd 4

Dear Sir

I send you to-day specimens of Carex [illegible] collected by my father in British Columbia last season; when you have the time will you kindly examine them to examine them will you [illegible] Specimens will [illegible] come later.

Yours truly

Jas. M. Macoun

Curator of Herbarium.

Dr. Thos. Morong

Columbia College

New York.

Jan. 24th

Dear Mr. Smith.

The "Bunch Grass" of the dry parts of British Columbia is chiefly of two species of wheat grass (Agropyrum tenerum and divergens). They are both very valuable as food for cattle and horses but are too easily eradicated by over feeding.

The Wild Vetch and the Pea Vine which are found in thickets are also very valuable but chiefly for cattle. The climbing one is a true Vetch and is named Vicia Americana. The other is a wild pea and is named Lathyrus Oreganus.

The northern grasses are chiefly species of Poa which are the chief prairie and meadow grasses of England. I refer more to those on the Nechaco and Stewart Rivers.

Marcus Smith C. E.
Ottawa

Very sincerely yours
John Macoun

Oct. 26th '97

Dear Mr. Smith,

The "Bunch Grass" of the dry lands of British Columbia is chiefly of two species of wheat grass (Agropyrum tenerum and divergens). They are both very valuable as food for cattle and have both are too easily exterminated by over feeding.

The Wild Vetch and the Pea Vine which are found in thickets are also very valuable but chiefly for cattle. The climbing one is a true Vetch and is named Vicia Americana. The other is a wild pea and is named Lathyrus Ochroleucus.

The most common grasses are chiefly species of Poa which are the chief pasture and meadow grasses of England. I refer more to those on the lowlands and Interior Region.

Very sincerely yours
John Macoun

Thomas Smith C.E.
Ottawa

Ottawa Jan. 26th 3

Dear Sir

Your letter addressed to my father was
received some time ago. In reply I would say that
the specimens due you will all be sent you this
winter, the first packet in about two weeks. For the
first time in the years I have [illegible] with the work
and a young lady is now engaged writing the labels
for the Polypetalae collected on Van. Island last season
You may expect some good grasses and carices later
on

Yours truly

Jas. M. Macoun

Curator of Herb[illegible]

Dr. S. Hart Wright
Penn Yan
N. Y.

Ottawa Jan. 26th

Dear Sir

Your letter addressed to my father was
[rece]ived some time ago, [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

Yours truly
[illegible]

[illegible]

Jan. 26th

Dear Mr. Nash,

Your note reached me here this P.M. and I answer at once.

Your question is a broad one as Canada where the Aralia grows extends from Montreal to Windsor on Lake Erie. I think September may be set down as the month of ripening because here in Lat 45.25° I found the seeds fully ripe last year on Sep. 23rd.

It may ripen its seeds in August at Windsor but I doubt it so the month of September will cover the whole district extending from Lake Erie to Montreal.

Very sincerely yours
John Macoun

Mr. George V. Nash
Washington
D.C.

Jan. 26th "

Dear Mr. Nash,

Your note reached me here this P.M. and I answer at once.

Your question is a hard one as Canada where the Arctic grows extends from Northeast to Manitoba in Lake Erie. "Month" September may be set down as the month of ripening because here in lat 45°25' I found the seeds fully ripe last year on Sep. 23rd.

It may ripen its seeds in August at Windsor but I doubt it so the month of September will cover the whole district extending from Lake Erie to Manitoba.

Very sincerely yours

James Fletcher

George V. Nash

Washington

D.C.

Jan. 26th 4

Dear Mr. White.

Your note came yesterday and in answer I may say you are quite right No. 270 is a Polytrichum. It is a small specimen of P. Ohioense Ren. & Card. If you have the Botanical Gazette or any Catalogue you will find the description. I was deceived by the general appearance of the specimen as it was so much smaller than any specimens I had.

The numbers were not changed. If you detect any other mistakes or evident blunders please let me know and I will look them up.

Very sincerely yours
John Macoun

Mr. James White
Edmonton
Ont.

P.S. My son says that he owes you 150 [illegible] yet.
J. M.

Jan. 26th

Dear Mr. White,

Your note came yesterday and in answer I may say you are quite right No. 270 is a Polybasite. It is a small specimen of P. [illegible] from Cali. If you have the Centennial Gazette or any Catalogue you will find the description. I was deceived by the general appearance of the specimen as it was so much smaller than any specimens I had.

The numbers were not changed. If you detect any other mistake or evident blunder please let me know and I will look them up.

Very sincerely yours
[illegible]

Mr. James White
[illegible]
Dak.

P.S. They have [illegible] that he was your 150 specimens yet. J. W.

Jan. 26th 4

My dear Sir

Your letter has been here for a long time and should have been answered before this. I have read it carefully over and see no reason why you should not advocate the establishment of a museum at Montreal, and also write up the field-work you think ought to be done. As long as you state the truth no person should find fault with you but should you, as too many newspaper correspondents do, write what is not true,* then, expect to be criticised as any untruthful writer should be.

*That is what you think is true but may not be so in fact

We all know there is much work to be done but there are no available funds and could you enlist some of Montreal's wealthy men to supply the cash you ought to be considered a public benefactor. I say then go on and promote and push the matter for all it is worth. No one here will be angered by what you write if it be the

Jan. 26th

My dear Sir

Your letter has been here for a long time and should have been answered before this. I have read it carefully over and see no reason why you should not advocate the establishment of a museum at Montreal, and also write up the field-work you think ought to be done. As long as you state the truth no person should find fault with you but should you, as too many newspaper correspondents do, write what is not true then, expect to be criticised as any untruthful writer should be.

At Toronto there is much work to be done but there are no available funds and [illegible] of Parliament nothing more [illegible] the cash you ought to be considered a public benefactor. I hope they go on and further and finish the matter for at the [illegible] month. [illegible] will be arranged but what you wrote of it be the

[illegible]

2

truth but mis-statements with intent will be met by denial at any rate.

The Museum here is a National one as far as it goes and the Dominion Government will never establish another at Montreal or Toronto and hence any writing on the line of a National Museum at Montreal will be labor in vain. At the same time it does not follow that a better Museum should not be established there than we have here but it would differ, in this, it would not be National.

In conclusion I state distinctly that I see no reason why any person here should be displeased if you wrote up the establishment of a Natural History Museum in Montreal or any other city, and indeed I could see nothing wrong if you asked for public funds to build it and equip it and even pay the salaries of its staff.

Very sincerely yours
John Macoun

M. Chamberlain Esq.
Harvard University
Cambridge Mass.

2

...the best misstatements with intent will be
...t by denial at any rate.

The Museum here is a National one
so far as it goes and the Dominion Government
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and hence any writing on the line of a National
Museum at Montreal will be labor in vain. At
the same time it does not follow that a better Museum
should not be established than we have here
but it would differ, in this, it would not be National.

In conclusion I state distinctly that I see
no reason why any person here should be displeased
if you write of the establishment of a National Museum
museum in Montreal or any other city and would
[illegible] would be nothing wrong if you asked for funds
funds to build it and even for [illegible]
[illegible] of its staff.

Very sincerely yours
Alfred Selwyn

[illegible] Chamberlain Esq.
Harvard University
Cambridge Mass.

Jan. 26th 4

My dear Mr. Deane

Your card came this P.M. and I have directed the Librarian to send another copy of Part V to you. I am sorry to say I have no spare copies to send to friends as all our publications are sent out from the Library.

We have now assistance in writing tickets so that we will be able to send you a set of our Carices and other plants that are owing to you in the course of a few X weeks at the latest.

When I go to Boston again I will be sure to visit you and see your herbarium. If you think it best you might write and tell us the kind of plants you want. My son may have your list and if so will go by that.

Very truly yours
John Macoun

Mr. W. Deane
9 Brewster St.
Cambridge
Mass

Jan. 26th "

My dear Mr. Deane

Your card came this P.M. and I have directed the Librarian to send another copy of Cat. v 6 you. I am sorry to say I have no spare copies [illegible] & friends as all our publications are sent out from the Library.

We have never assistance in sending duplicates so that we will be able to send you a lot of our [illegible] and other plants that we are owing to you in the course of a few weeks at the latest.

When I go to Boston again I will be sure to visit you and see your herbarium. If you think it best you might write and tell me the kind of plants you want. My son may have your list and if so will [illegible] by that.

Very truly yours,
[illegible]

W. Deane
Brewster St.
Cambridge
Mass.

Ottawa Jan. 31st. 4

Dear Sir

I have lately completed the examination of the Polypetalae collected by my father last season and send you a small packet to-day. A list of his Vancouver Island plants collected in 1887 was sent forward at that time so I send now only those on which we would like your opinion and those which I have not checked off as having been sent you before; these last include some specimens collected in other years. When you have time to look over these specimens we would be glad to have your opinion on the determination of the new and the specimens with ? in the enclosed list which might be returned with determinations marked (!) when correct. Should you detect any errors in the naming of the other specimens we will of course be glad to have them rectified too.

Another packet will soon be sent you which will contain Grasses, Carices, & Ferns of previous years which have never been distributed. Dr. Watson would never admit that Tiarella laciniata differed from Tiarella trifoliata but our specimens seem to me to answer the old description of that species very well.

Yours truly,

Jas. M. Macoun

Curator of Herbarium

Dr. Benj. L. Robinson

Harvard Herbarium

Cambridge. Mass.

Ottawa Jan. 31st 3

Dear Sir

I send you to-day a complete series of the Polypetalae collected by my father last season on Vanc. Island. Many of the species are of course common but I thought you might like a complete set. When you have had time to examine them [illegible] be very thankful

you may consider necessary, most of the specimens are numbered and that will be a sufficient reference to them. It will not be necessary to make changes in synonymy as our whole herbarium will be gone over during the coming year for that purpose. You will I think find the introduced plants interesting. Other packets will follow by degrees as I go over the specimens.

Yours Sincerely

Jas. M. Macoun

Curator Herbarium

Prof. Edward L. Greene
University of California
Berkeley. Cal.

Ottawa Jan. 21st 3

Dear Sir:

I send you to-day a complete series of [illegible] collected by my father last season on [illegible] Island. Many of the species are of course common [illegible] thought you might like a complete set. When [illegible] have time to examine them we would be thankful [illegible]

[illegible] any corrections necessary. Most of the specimens are [illegible] and we think will be a sufficient reference to [illegible]. It will not be necessary to make changes in [illegible] as we shall [illegible] in the coming year for that purpose. You will [illegible] with the introduced plants interesting. These [illegible] will be followed by [illegible] as [illegible] the [illegible].

Yours Sincerely,
Jas. M. Macoun

Edward L. Greene
University of California
Berkeley, Cal.

Feb. 1st 4

Dear Mr. Raine

Your letters and the box of eggs came in due course and yesterday I took the box home and last evening we examined the eggs and found them all in good order and as per your list. We are very much pleased with them and think you gave more than you had any right to do.

I will get out as many of the eggs you want as I possibly can and send them to you in your own box. I may be able to get them tonight. It is now very likely I may go west next spring. If so I will spend the summer in Alberta.

Very sincerely yours
John Macoun

Mr. W. Raine
181 Bleecker St.
Toronto

Ottawa Feb. 3rd [illegible]

My Dear Holm

At last I have got out my fathers Carices of last year for you and send you a complete set to-day. These are for yourself, the specimens for the Department will go later. I hope you have time to examine these soon as I want to distribute them as soon as possible. During the next week I will get out a set of same previous year for you but will not send them to you until I have your conclusions for last year. When writing about them it will be sufficient to refer to the specimens by the number alone.

[illegible] at last [illegible] you [illegible] writing labels for me and [illegible] fully [illegible] of last season's collecting and some [illegible] of previous years ready for distribution, I shall soon be sending packets to the Department of Agriculture and [illegible] direct them to [illegible] but will advise you when I send them so that you may have a look at them

Ottawa Feb. 2nd [illegible]

My dear Walker

At last I have got out my [illegible] to look over for you and send you a complete set to-day. There are for you, the specimens of the Department made up labels. I hope you have time to examine these soon as I want to distribute these as soon as possible. Owing the next week I will get out a set to some persons for you but will not send these to you until I have your conclusions for you. When writing about these it will be sufficient to refer to the specimens by the numbers alone.

[illegible] at last a [illegible] written labels for use and [illegible] collecting and some [illegible] I shall save [illegible] specimens ready for distribution [illegible] belonging to the Department & Herbarium [illegible] to examine but will [illegible] those you may have a [illegible] of these

before they go into the herbarium. I am much pressed with work and do not see how I can get to Washington before spring if at all before next autumn. Can't you come up here and enjoy yourself for a few weeks. You can have a room and board free with me for as long as you care to stay.

During the last two years we have got fine collections from Northern Labrador and from the Mackenzie River and last year a few ~~of~~ seeds from the barren grounds of which I send you two or three. Shall I send Bailey a set of the carices after you have examined them? What do you think of Epilobium Macounii? Bo[illegible] from [illegible] as a new species by D.

Yours truly

J. M. Macoun.

Feb. 2nd 4

My dear Sir

In your note of yesterday you ask for information regarding a species of plant named Peucedanum ambiguum Nutt.

You are quite right in saying that the plant grows on hills and mountains and where grass doesnt grow, but not where it cannot grow. The soil is rich but shallow. In early spring the tubers send up a stem which bears a yellow flower in umbels which are soon followed by the seeds that ripen in June and fall early in July and which in my opinion will keep their germinating powers a long time if they are kept dry as the plant grows only on dry hill sides and where there is a dry arid climate in summer.

I have found it at Arrow Lakes on the Columbia at Sicamous on Shuswap Lake and at Boston Bar on the Lower Fraser.

If any person were going to collect the seeds I could give him minute instructions but the drawback is that every person could not know tell the plant from

Feb. 2nd "

My dear Sir

In your note of yesterday you ask for information regarding a species of plant named Peucedanum ambiguum Nutt.

You are quite right in saying that the plant grows on hills and mountains and where grass cannot grow, but not often at [illegible] grow. The roots sink but shallow. In early spring the bulbs send up a stem which bears a yellow flower in umbels which are soon followed by the seed that ripens in June and just early in July and which in my opinion will keep their germinating powers a long time if they are kept dry as the plant grows only on hill sides and there is a dry arid climate around.

I have found it at [illegible] on the [illegible] at [illegible] on [illegible] Lake and at [illegible] on the [illegible] River.

If any persons were going to collect the seed [illegible] few have [illegible] but the [illegible] of very persons could not even tell the [illegible]

2

other species that often grow in company with it.

Should there be any chance to collect the seeds next summer I will gladly do so but I am not likely to be in the districts where it grows.

I remain very truly yours.

John Macoun

2

the species that they grow in company
with it.
Should there be any chance to collect the seed
next summer I will gladly do so but I am
not likely to be in the districts where they grow.
I remain Very truly yours.
John Macoun

Ottawa Feb. 4th 4

Dear Sir

I send you by mail to-day a [illegible] of the grasses collected [illegible] on Vancouver Island last season. When you have had time to examine them we shall be much obliged if you will advise us of any changes you may make in our determinations. It will be sufficient to refer to the specimens by number. In the course of a few weeks when I have distributed last season's collection I shall set out for you sets of the grasses collected in former years and named by Dr. Vasey that you may have a complete series of our grasses

Yours truly

Jas. M. Ma

Curator of H

F. Lamson Scribner Esq.

Knoxville

Tenn.

Ottawa Feby 6th 4

Dear Mr. Carruthers

I send you to-day a packet of plants the first of many that will go to you this spring I hope. We have assistance for the first time and expect to get all our duplicates distributed within a year or so. I include a few U.S. plants in the parcel to fill it up. Should you come across any more duplicates of plants collected in the north we shall be very thankful for them. Those you were good enough to send [illegible] have been of the greatest value to us in [illegible]

Wm. Carruthers F.L.S.
British Museum
London

Jos. M. Macoun
Curator of Museum

Ottawa Feby 6th

Dear Mr. Carruthers

I send you letters re
packet of plants the first of many that will go
to you this spring I hope. We have commenced
for the first time and what to get all our
duplicates distributed either as you do. I
include a few U.S. plants in the parcel to
fill it up. Should you come across any more
duplicates of plants collected in the north we shall
be very thankful for them. I hope you are good
enough to send [illegible] have been of the
greatest value to me in [illegible]

Yours [illegible]

Jas. M. Macoun

Wm. Carruthers F.R.S.
British Museum
London

Feb. 6th 4

My dear Sir

You will see by the notes on another page that I explain some of the apparent omissions. Those I say were not sent I want you to send again and we will settle them.

Do you keep a list of all the Moss additions or omissions and when the addendum is to be printed I will get a copy of your list. There may be and is for a certainty a number of your things here but I have no time to hunt them up. I will reach them however in time. I see no signs of Eleodium paludosum among your specimens. It is like a Thuidium.

I have no specimen myself of Heterocladium from Ulaniopsis so I must have sent it all to Kindberg.

Send for any information you like and I will do all I can to help you out.

Very truly yours
John Macoun

Mr. John Moser
Canaan Forks
N.B.

Feb. 6th '4

My dear Sir

You will see by the notes on another page that I explain some of the different omissions. These I say were not sent. I want you to send again and we will settle them.

As you keep a list of all the new additions to omissions and when the additions is to be printed I will get a copy of your list. There may be and is for a certainty a number of your things here but I have no time to hunt them up. I will reach them however in time. I see no sign of [illegible] [illegible] among your specimens. It is like a [illegible].

I have no specimens myself of [illegible] from Pennsylvania as it would have sent it to [illegible].

Send for any information you like and all that I can to help you out. Very truly yours

[illegible]

[illegible]
[illegible]
N. D.

27 Parmelia caperata = (12 + 448 also 432 + 6)
28 Sticta scrobiculata, Ach. (431 + 5)
#437 49 Sticta glomulifera = ~~[illegible]~~ = Leptogium myochroum, Tucker
22 Parmelia conspersa, Ach. ~~437 also see 440~~ 438

14
11 } Both these are Liverworts and very difficult I will hold them over and examine under the microscope.

My dear Sir.

Your two packages are now examined and I send the results. The difficulty about mixing the numbers lies in the changing (chiefly) of names

Dicranella crispa you never sent.
Dicranum Schraderi = Bergeri
Orthotrichum [illegible]
" strangul[illegible]
Webera annotina you never sent
Bryum cirrhatum "
" subrotundum "
" atropurpureum "
" alpinum (Is here and was overlooked)
" roseum is in as B. Ontariense
" capillare you did not send.
Mnium serratum was never sent.
Anomodon viticulosus was in the last lot but not [illegible]
Cylindrothecium cladorrhizans = Entodon cladorrhizans
" brevisetum = " brevisetum
Thuidium recognitum = T. delicatulum (send the two)
Rhaphidostegium cylindrocarpon (our [illegible] 1888 (Green)
Plagiothecium Latebricola + elegans are not here.
Limnobium arcticum = L. circulifolium C.M. & Kindb.
Hylocomium squarrosum Not sent.
Ctenidium molluscum not sent.
Brachythecium [illegible] was broken up into a number of species. Your specimens went to B. leucoglaucum & [illegible]

Parmelia caperata = (12-448 also 432-6)
[illegible] crenulata?, Ach. (431-5)
W.? [illegible] [illegible]" = [illegible] = [illegible] [illegible]
Parmelia conspersa, Ach. 437 ~~[illegible]~~ 455

Both these are lichens and very difficult, I will both them [illegible] and examine under the microscope.

My dear Sir,

Your two packages are now examined and I send the results. The difficulty about naming the mosses lies in the changing (slightly) of names

Dicranella crispa you never sent.
Dicranum Schraderi = Bergii
Orthotrichum [illegible] =
" strangulatum
Webera [illegible] you never sent
Bryum [illegible] "
" [illegible] "
" [illegible] "
" [illegible] (to be [illegible] and [illegible])
" [illegible] is in no [illegible]
" [illegible] you did not send.
[illegible] [illegible] [illegible] never sent.
[illegible] [illegible] [illegible] in the last lot but [illegible]
[illegible] [illegible] = [illegible] [illegible]
" [illegible] = " [illegible]
[illegible] [illegible] = [illegible] (tied the [illegible])
[illegible] [illegible] (Vol. [illegible] 1882 (Journ.
[illegible] [illegible] + [illegible] are not [illegible].
[illegible] [illegible] = [illegible] [illegible] [illegible]
[illegible] [illegible] Not sent.
[illegible] [illegible] Not sent.
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible]

[illegible] of John [illegible]

[illegible]

[illegible] palustre

[illegible]

[illegible] variety [illegible]

[illegible] various

[illegible] (sent to Europe) I B. reflexum = W

J [illegible] cuspidatum mixed with [illegible] (Canada)

K [illegible] to be [illegible] [illegible]

L [illegible] Calcareum (specimen from)

M ~~[illegible]~~ Brachythecium reflexum

N [illegible] [illegible] B. & S.

O " [illegible] ? (Bot. [illegible])

[illegible]

[illegible] Brachythecium [illegible] = 10 [illegible]

[illegible] = 17

[illegible]

Feb. 6th 4

My dear Dr. Kindberg

Owing to many causes I have been prevented from writing to you during the last two months. I have had much to do and have had to give up most of my work amongst the Musci but do a little at it now and again. I am in receipt of your cards up to Jan. 21st. but have not answered any of them. Please accept my very grateful thanks for all your kindness and believe me that I will do all I can to get the list of Mosses published but the matter still remains in doubt as we cannot do it and the Ottawa Naturalist cannot see its way to do it.

Our money has about given out for this year but were it in plenty I could not get it done with our money as we have no authority for doing such work. Later I am in hopes of getting the Record of Science in Montreal to do it but so far I have had no assurance of being successful.

I have made the changes you suggested in the check list and will get it printed before spring if possible and will send you the proof if I should get it through

Feb. 6th

My dear Dr. Kindberg

Owing to many causes I have been prevented from writing to you during the last two months. I have had much to do and have had to give up most of my work amongst the Mosses but do a little at it now and again. I am in receipt of your cards up to Jan. 21st but have not answered any of them. Please accept my very grateful thanks for all your kindness and believe me that I will do all I can to get the list of Mosses published but the matter still remains in doubt as we cannot do it and the Ottawa Naturalist cannot use its money to do it.

Our money has about given out for this year but were it in plenty I could not get it done with our money as we have no authority for doing such work. Indeed I am in hopes of getting the Council of [illegible] in Montreal to do it but so far I have had no assurance of being successful.

I have made the changes you suggested in the Moss check list and will get it printed before spring if possible and will send you the proof of [illegible] through.

P.S. I expect to be in a new district next summer. I send a packet of notes & ends which were chiefly collected by M. White. J. M.

2

Mr. Britton has been working on the Genus Physcomitrium and has concluded that the enclosed specimens are not P. pyriforme but P. Platyphyllum. In other words she has decided that we have no P. pyriforme in America, now I am not competent to judge but I would like to know in what particulars P. pyriforme differs from P. platyphyllum. There is no doubt but that ~~only~~ P. pyriforme differs from that of Europe and the chief question is P. platyphyllum our equivalent of the European P. pyriforme or is the former equal to P. turbinatum Mohr.?

From what I can gather, Mr. Britton has come to this conclusion and I confess that your making my specimens, collected in May 1892 P. pyriforme instead P. turbinatum, as you made of Dearness' ones, leads me to the same conclusion which is that we have no P. pyriforme and ~~that~~ P. platyphyllum and P. turbinatum are one and the same. Mr. Britton has a monograph of the genus now in print.

Very sincerely yours
John Macoun

Mr. N. C. Kindberg Linköping

[illegible]

2

Mrs. Britton has been working on the Genus Phegopteris and has concluded that the enclosed specimens are not P. polypodioides but P. Phegopteris. In other words she has decided that we have no P. polypodioides in America, now I am not competent to judge but I would like to know in what particulars P. polypodioides differ from P. phegopteris. There is no doubt but that our P. phegopteris differs from that of Europe and the chief question is P. phegopteris are equivalent of the European P. polypodioides or is the former equal to P. tuberculatum Mett.;

Now what I can gather, Mrs. Britton has come to this conclusion and I confess that your authority in my specimens, collected in May 1887, P. polypodioides, and P. tuberculatum as you made of Mr. [illegible] may lead me to the same conclusion which is that we have not P. polypodioides and that P. phegopteris and P. tuberculatum are one and the same. Mrs. Britton has a monograph of the genus now in press.

Very sincerely yours

[illegible]

[illegible]

Feb. 8th 4

Dear Dr. Merriam

Your letter of January 26th was duly received and was read with much interest and some surprise. A number of your questions are quite easily answered as far as we know but like your own knowledge on many points regarding other species it is, to say the least of it, rather indefinite.

I shall not now answer your questions but wait until you must have it done as we may get more definite information before you are ready to print.

I gave your letter to Dr. Selwyn and he saw as well as I do that to answer your questions in a general sense is quite an easy matter but to speak definitely is quite a different thing. On many points our knowledge is far from complete and it is not to be wondered at as we have an immense area to examine. Along the line of the Pacific Railway we have a very fair knowledge of distributions but beyond that most of the country is little known from a Natural History stand

Feb 8th "

Dear Dr. Merriam

Your letter of January 26th was duly received and was read with much interest and some surprise. A number of your questions are quite easily answered as far as we know but like your own knowledge on many points regarding other species it is, to say the least of it, rather indefinite.

I shall not now answer your questions but write with you must have it done, as we may get more definite information before you are ready to print.

I gave your letter to Dr. Edwards and he saw as well as I do that to answer your questions in a general sense is quite an easy matter but to speak definitely is quite a different thing. On many points our knowledge is far from complete and it is not to be wondered at as we have an immense area to examine along the line of the Pacific Railway we have a very fair knowledge. By [illegible] but beyond that nearly the country is [illegible] however from a National [illegible] stand

2

point. As you are aware I have made collections now from Vancouver Island to the western side of the prairie region. Along this line I can answer your questions but north of it I must quote others or say nothing. The prairie region is easily accessible and presents many features of interest but nothing has been done on it since 1880 when I traversed it for quite a different purpose from Natural History.

Dr. Selwyn has suggested to me that I think over the subject and put my ideas in writing so that he can see whether it is of importance to us to have an accurate Natural History examination of the prairie region made or not as should there be occasion for it he will not stand in the way of its being done. I have not written to him yet but will by now and in my next will tell you his decision.

I take advantage of this communication to send to you a box of skins of small Mammals. The specimens range from Vancouver Island to Indian Head in Assiniboia. I think I send two "Pikas" that taken

point. As you are aware I have made collections more-
from Vancouver Island to the northern side of the prairie
region. Along this line I am aware your geologic
but much of it is most quite others as to any nothing;
The prairie region is easily accessible and presents
many features of interest but nothing has been done
on it since 1880 when I traversed it for quite a different
purpose from Natural History.

Dr. Selwyn has suggested to me that I think over
the subject and put my ideas in writing so that
we can see whether it is of importance to me to have
an accurate Natural History examination of the prairie
region made or not. As which then he occasion
for it he will not stand in the way of its being
done. I have not written to him yet but with my views
and in my next write to you his decision.

I take advantage of this communication to send to
you a list of the plants Hammonds. The specimens
range from Vancouver Island to Jackson's Point in
Saskatchewan. I think I sent "Pikis" not taken

3

Sicamous was only at an altitude of 1100 feet and year they were taken the Erythroniums were in full flower April first. I send quite a series of mice of many species so that we may get the correct names of our various forms. ~~The~~ Coyote Mountain where Nos. 296 + 297 came from is ~~[illegible]~~ near Kamloops, B.C. Toad Mountain is at Nelson near the Idaho boundary and Banff is on Rocky Mountain Park. The Flying Squirrel is from Mission on the Lower Fraser and there also we found the Little Striped Skunk.

I have placed a small bottle of fish in the box which are from Queen Charlotte Islands. I would like a specimen of each species returned with the name. My own collections are still unpacked.

Very sincerely yours
John Macoun

Dr. C. H. Merriam
Division of Mammalogy
Washington
D.C.

3

[illegible] Cameron was only at an altitude of 1100 feet and
[illegible] they were taken the [illegible] were in fact from
[their] point. I send quite a series of mice of many species
so that we may get the correct names of our Canadian forms
[illegible] Neotomas whose Nos. 296 + 297 came from is
near Kamloops, B.C. and Neotoma is at Nelson
near the Idaho boundary and Banff is in Rocky
Mountain Park. The Flying Squirrel is from Mission
on the Lower Fraser and that also are from the little
striped Chipmunks.

I have placed a small bottle of fish in the box
which are from Queen Charlotte Islands. I would like
a specimen of each species returned with the names.
my own collections are rather unfinished.

Very sincerely yours
Allan Brooks

Dr. C. H. Merriam
Division of Mammalogy
Washington
D.C.

Oberlin Feby 9th 79

Dear Sir

Your letter and the check list were received some time ago. My father and I think that the safest way would be to have you send us at any time that is convenient one species out of the various plants, whatever you have out of including the grasses and ferns sent before. We can certainly send you in exchange for that many plants this winter but perhaps no more so the matter can rest there until our accounts are squared. I send you a few plants today that I have lately got out for you. Another packet will follow soon containing grasses and carices for which the labels are now being written. Should you detect any plants you think wrongly named we will be glad to learn what changes you think should be made.

Yours Sincerely

Geo. W. Mason

Curator of Herbarium.

Mr. C. G. Pringle

Charlotte. Vt.

Ottawa Feby 9th 4

Dear Sir

I send you a packet containing a few plants by this mail just to show you that you are not forgotten. The labels are very hurriedly written for our duplicate grasses and carices which will soon be distributed, among these you will find many good things. I am very sorry that there should be such delay in sending the exchange due you but can safely promise that all will be squared before spring. Should you at any time detect specimens which you consider wrongly named we would be glad to know what changes you think ought to be made

Yours Sincerely

Jas. M. Macoun

Curator of Herbarium.

Mr. S. Hart Wright

Penn Yan

N. Y.

Ottawa July 21st

Dear Sir

I send you a packet containing a few seeds by this mail [illegible] that you are [illegible]. The labels are very poorly written for the [illegible] genera and species which were then [illegible], [illegible] you will find many good names. I am very sorry that [illegible] [illegible]

Yours [illegible]

[illegible]

Ottawa Feby 9th

Dear Sir

I send you by mail today a packet of plants the first of several that will go to you before spring. We have for the first time assistance for writing labels and I hope to distribute many thousand of our duplicates before going to the field. Among the 1883 plants are a few on which we would like your opinion, I enclose a list of these which you might return when you have had time to look over the specimens. Should you find any others wrongly named we shall be much obliged if you write out the right. Any corrections you may make will be an ample return for the specimens sent you but should you at any time have duplicates to spare we can make good use of them. In the packet are a few European plants which if you do not want for your own herbarium might be handed to some one to whom they would be useful.

Yours Sincerely,
Jas. M. Macoun
Curator of Herbarium.

Dr. N. L. Britton
Columbia Coll. N.Y.

[illegible]

Feb. 9th

My dear Sir

Your letter and the box of specimens with your extended notes all came in due time.

Before the winter is over I will send you the name of that mushroom. I have mislaid it at present but will find it and let you know. I think in my next I will be able to clear up the difficulty about Nos. 220 & 213. They are not both C. centrifuga of this I am sure. Of 206, 203, & 205 which I have called C. elegans may also be C. murorum. The latter adheres very closely to the substrate while the former does not. In elegans the color is Orange, in murorum orange-red. You may have better. There are two forms of C. geographica which are very dissimilar in appearance but which can hardly be separated. Next year I hope to see these Nos. again in larger quantity.

Address Mr. Whitcher of the Dept of Interior regarding the mountains. It is quite likely the mountains you refer to are named by McCarthy of the Dominion Survey. It is [illegible] business to name places throughout

Feb 9th

My dear Sir

Your letter and the box of specimens with your extended notes all came in due time.

Before the results is [illegible] I can send you the names of what Hymenoptera. I have made [illegible] all of [illegible] and find it any left of your boxes. I think it may that I may be able to clear up the difficulty about No. 208 & 215. They are not both P. [illegible] of which I am [illegible] sure. Of 206, 203, & 205 which I have called C. [illegible] may also be C. [illegible]. The latter [illegible] my [illegible] the [illegible] which the former does not. The [illegible] in Europe, in [illegible] range-[illegible]. You may have [illegible]. These are [illegible] of the [illegible] which are very dissimilar in appearance but which are hardly to be separated. Next year I hope to see these things again in larger quantity.

Address Mr. Whitaker of the Dept. of Interior regarding the [illegible]. He is quite likely [illegible] you refer to the [illegible] by Mr. [illegible] of the [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible]

2

the Dominion.

No. 26 is <u>Calicium subtile</u>. I sent it away for identification. I am looking forward to get some good things from you next year. Be sure and let me know of any change of address as I may want to communicate with you. I am not sure yet what I may do next year, but if I go to the mountains I will spend a few days at Laggan.

Very sincerely yours,
John Macoun

Mr. David Bain
Laggan P. O.
Alberta

2

the Commission.

[illegible] to [illegible] [illegible], I sent it away for identification. I am looking forward to get some good things from you next year. Be sure and let me know of any change you make as I may want to communicate with you. I do not know yet what I may do next year but if I go to the mountains I will spend a few days at Laggan.

Very sincerely yours
[illegible]

Mr. David Brown
Laggan P.O.
Alberta

Feb. 9th 4

Mr. W. C. Keith

Dear Sir

Your letter came in due time and in answer I may say that there is no prospect of my field of operations being widened this year so as to have a party in the field and therefore I cannot promise you any opening with me but I have turned your application over to Dr. Selwyn so that it may be placed on file. That may not do you much good as there are at least fifty applications ahead of yours. You can write to Dr. Selwyn if you wish and tell him just what you may think would further your application which you have sent to me.

Epipactis helleborine was found at Toronto three years ago and yours makes the second record for the Dominion. It was only found in the States a short time ago and I am beginning to suspect that some party has been sowing seed — not here. I have some of the Toronto specimens so give out with yours.

Very sincerely yours John Macoun

Feb. 9th

Mr. W. J. Heath

Dear Sir

Your letter came in due time and in answer may say that there is no prospect of my field application being endorsed this year so as to have a part in the field work. Therefore I cannot promise you any opening with me but I have directed your application over to Dr. [illegible] so that it may be passed on for. That may not be very much good as there are at least fifty applications ahead of yours. You can write to Dr. [illegible] if you wish and tell him just what you may think would justify your application which you have sent to me.

[illegible]

Ott. Nat. May 1889
Vol. IV Pt. II. 62

Feb. 8th

My dear Madam

My son is sending today a parcel of plants for the Museum and I take advantage of this to send down 80 Lichens and 70 Mosses. The labels are not printed yet so I do not send the bill until I send them. The Lichens come up to 180 and the Mosses to 670. There are a number of new species and many others that are rare. I will also send a packet of mosses with this. A few of which I would like you to name.

My collections are not made as you surmise but in a more careful way. There is no pressing necessity for you to examine my specimens either those I send or others later. I only thought you might desire to see the eastern things as they were gathered. I have written to Hindberg and done as you wished. He does not know that I was inspired but I asked him for a straight opinion based on my specimens of C. [illegible] collected in 1882 quite close to where C. [illegible] was gathered by Drummond. I will send the specimens of C. [illegible] [illegible] they are at the house. Very truly yours [illegible]

21st May 1889

Ack 8th

My dear Madam

My son is sending today a parcel of plants
for the Museum and I take advantage of this
to send some Lichens and 70 Mosses. The latter
are not named yet as I do not send the [illegible]
I send them. The Lichens come up to 180 and the Mosses
to 670. There are a number of new species and many
others that are rare. I also send a packet of names
with Nos. a few of which I would like you to name
my collections are not made as your numerous [illegible]
in a more careful way. There is no pressing necessity
for you to examine my specimens either these or earlier
other lots. I only thought you might desire to see the
collections though as they were forwarded, I have neither the
[illegible] and as they were [illegible]. He does not know
Hedwigia and these [illegible] but I asked him for an entry of [illegible]
that I was [illegible] Bulletin in 1882 [illegible]
[illegible] specimens of [illegible]
[illegible]
[illegible]
[illegible]

Feb. 13th 4

Dear Mr. Saunders

Your note regarding Peucedanum ambiguum came this morning and in answer I may state that the best places to gather the plants or seeds is at Sicamous, B.C. On July 5th 1889 the plants grew in numbers on ledges on the mountain that rises from Lake Mara on the east side not much over a mile from Sicamous. They grew in grassy open places and most of them had ripened their seeds by that time. Should you direct any person to go there I may say the rock I speak of is the first that comes to the lake and not more than three hundred feet above the lake. The plant is about a foot high, its flowers are white not yellow, and the petioles of the leaves are very much dilated.

Very truly yours
John Macoun

Prof. W. Saunders
Director
Experimental Farms
Ottawa

P.S. Thanks for the other note J.M.

Feb. 13th

Dear Mr Saunders

Your note regarding Cypripedium montanum came this morning and in answer I may state that the best place to gather the plants or seeds is at Sicamous, B.C. On July 3rd 1888 the plants grew in abundance on ledges on the mountain that rises from Mara Lake on the east side not much over a mile from Sicamous. They grow in gravelly places and most of them had ripened their seeds by that time. Should you direct any person to go there I may say the seeds [illegible] in the first that comes to the lake and not more than three hundred feet above the lake. The plant is about a foot high, its flowers are white not yellow, and the [illegible] of the [illegible] are very much dilated.

Very truly yours
John Macoun

Wm. Saunders
Director
Experimental Farm
Ottawa

[illegible] plants forwarded [illegible] J.M.

Feb 13th 4

William Ives Esq.

Dear Sir

Yesterday I had the pleasure of receiving a series of pamphlets which are entitled the "Handbooks of Commercial Products" and belong to the Indian Section of the Imperial Institute series. I need scarcely say that they interest me very much and I send my grateful thanks for the same.

We have prepared no publications on this line but I have published six parts of a Catalogue of Canadian Plants in which I give the range of each species throughout the Dominion of Canada. It is a useful work as giving the Geographical range of our species but is intended for nothing else. Should you desire these, they are at your service.

Very sincerely yours

John Macoun

Dominion Botanist

Feb 13th '4

William Saw Esq.

Dear Sir

Yesterday I had the pleasure of receiving a series of pamphlets which are entitled the "Handbooks of Commercial Products" and belong to the Indian Section of the Imperial Institute here. I need scarcely say that they interest me very much and I send my grateful thanks for the same. We have prepared no publications on this line but I have published two parts of a Catalogue of Canadian Plants in which I give the range of each species throughout the Dominion of Canada. It is a great work as giving the Geographical range of one species but is intended for nothing else. Should you desire them, they are at your service.

Very sincerely yours
John Macoun
Dominion Botanist

Pls. return also the specimens from the sheets on which they now are.

Ottawa Feby 12th '4

My dear Sir

By to-day's mail I send you
a set of my father's willows collected on Vancouver
Island. I do not think there is anything among them
that we have not already sent you and I think I
have named them correctly but when you have had time
to look over the specimens I shall be much obliged if
you will report on them by number.

A collection of plants from the country between Lake
Athabasca and Chesterfield Inlet (Hudson Bay) — Lat. 56°–64°
has been sent my father for determination; I send you the
willows. All the specimens are to be returned to the collector
so I must trouble you to return them to me but should
there be any you particularly desire if you will note them
I can perhaps procure them for you later. I shall make a
distribution of my father's Van. Island plants before spring; are there any
this genus you are particularly interested in?

Yours sincerely
Jas. M. Macoun
Curator of Museum

Mr. M. S. Bebb
Rockford, Ill.

Ottawa July 12th 2

My dear Sir

By to-days mail I send you a set of my father's willows collected in Vancouver Isl. I do not think there is anything among these that we have not already sent you and I think I [illegible] these correctly but when you have had time to look over the specimens I should be much obliged if you will report on these by numbers.

A collection of plants from the country between Lake [illegible] and Chesterfield Inlet (Hudson Bay) — lat. 58°–64° has been sent my father for determination; I send you the willows. All the specimens are to be returned to the collector but I want to trouble you to return these to me but should like to hear from you particularly [illegible] if you will [illegible] these [illegible]. I shall make a [illegible] [illegible] these for your labels. I [illegible] [illegible] [illegible] of my father's Van. Island plants before I bring out the [illegible] [illegible] [illegible] you [illegible] particularly interested in?

Yours sincerely
Jas. M. Macoun

[illegible]
Rockford, Ill.

[illegible]

Febr 14th 4

Dear Mr. Rhoads

Both your letters are here and the descriptions of the new Mice &c. You are quite right in wondering why I had not answered your letter of Jan. 4th. The chief reason was that up to the present I could not send you the skins you desired. In December Dr. Merriam wrote my superior officer Dr. Selwyn asking that an examination of our Southern prairie be made in conjunction with his own work in Montana. Since then occasional letters have passed and the Dr. asked to examine all the small Mammal skins obtained the last four years in British Columbia and on Vancouver Island. These were sent to him and may be here in the course of a week. As Dr. Merriam had examined all the skins obtained prior to that time I had no real excuse to make against letting him have them. So much for the skins.

Regarding the matter of publishing your paper on B.C. Mammals we just stand this way. Our appropriation for the year ending June 30 1894 is exhausted

Feb 14th

Dear Mr. Edwards

Both your letter are here and the translation of the new Price &c. You are quite right in wondering why I had not answered your letter of Jan 4th. The only reason was that up to the present I could not send you the advice you desired. In December Dr. Merriam wrote my superior officer Dr. Dawson asking that an examination of our Northern species be made in conjunction with his own work in Montana. Since then occasional letters have passed and the Dr. asked to examine all the small Mammal skins obtained the last four years in British Columbia and on Vancouver Island. These were sent to him and may be here in the course of a week. As Dr. Merriam has examined all the skins obtained previous to that time I had no real excuse to make against letting him have them. So much for the advice.

Regarding the matter of publishing your paper on B.C. Mammals we find it stands this way. Our appropriation for the year ending June 30 1896 is exhausted

and Dr. Selwyn has[2] asked for $1600 additional but up to the present we have no word of the money. He has stopped all printing and told me when I spoke to him to wait until we saw what would come of his application. So in this matter we must have patience as we ourselves did at Chicago. Remember I consider your letters strictly confidential and therefore you may rest easy regarding them.

If you desire to select skins after they return from Washington I will send them all to you or if you prefer to have particular ones let me know. As it stands now it looks as if I would be on the prairie for the next three years and if so Dr. Merriam would have to see the skins spirit as my chief aim will be to extend the northern limit of the various species or hunt out those that replace southern forms in the north.

I think it wise to publish with the Academy as I am just now informed that my list of birds must stand over until July at least. Very sincerely yours

John Macoun

Mr. Samuel A. Rhoads
Academy of Sciences
Philadelphia Pa.

until Dr. Dawson has asked for $1500 additional but up to the present we have no word of the money. He has stopped all printing and told me there is nothing [?] to him it would make no difference what would come of his application. In all this matter we must have patience as we are civil servants at Ottawa. I considered your letter strictly confidential and therefore you may not say anything about them.

If you desire to see the skins after they return from Washington I will send them all to you or if you prefer to have particular ones let me know. As it stands now it looks as if I would be on the prairie for the next three years and if so Dr. Dawson would have to see the [?] point as my chief aim will be to extend the northern limit of the various species as I want out there that replace northern forms in the north.

I think it wise to [?] with the Academy as I am just now informed that my list of birds must stand over until July at least.

Very sincerely yours
John Macoun

Samuel N. Rhoads
Academy of Sciences
Philadelphia

Feb. 19th 4

Dear Sir

Since I wrote you last I had a letter from [illegible] Saunders regarding Peucedanum ambiguum [illegible] I gave him for the use of the Minister of Agriculture [illegible] the additional information I had. I have no duplicate specimens of it. Cerasus Canadensis (The Wild Plum) Cerasus Pennsylvanica (Bird cherry) Vaccinium Canadense (Blue-berry with hairy leaves and stems) Vaccinium Pennsylvanicum (Blue-berry wi[illegible] with leaves and stems) all grow as you are [illegible] aware around Ottawa and which can be collected with ripe fruit in July and August.

Regarding the specimens of fishes, birds and mammals I would refer you to the Department of Agriculture for information. Write to H. B. Small the Secretary and he will give you the desired information.

Very sincerely yours
John Macoun

O. L. Fouchet
Dept of Inland Revenue
Ottawa

Feb. 15th [illegible]

Dear Sir

As I wrote you last I had a letter from [illegible] Saunders regarding [illegible] [illegible] past time, for the use of the Minister of Agriculture in the administrative information I had. I have no duplicate specimens of it. Cornus Canadensis (Dwarf Cornel) Linnaea [illegible] (Twin flower) Vaccinium Canadense (Blue-berry with hairy leaves and stems) Vaccinium Pennsylvanicum (Blue-berry with smooth leaves and stems) All from as far as [illegible] more around Ottawa and which can be collected with ripe fruit in July and August.

Regarding the specimens of Rice, Oats and maize I would refer you to the Department of Agriculture for information. Write to [illegible] the Secretary and he will give you the desired information.

Very sincerely yours

[illegible] Macoun

O. L. Prescott
Dept. of Indian Affairs
Ottawa

Ottawa Feb. 1910

My dear Madam

by to-day's mail I send you
in a packet
[illegible] plants and to fill up
about 170 specimens
include a few European specimens
one of the packets
to you, before [illegible] I hope
which, may be [illegible]
or 200 sheets at least. I [illegible]
to have sent you
[illegible] but we wish to have as
you many [illegible]
complete as [illegible] as possible of our plants in your herbarium
A list is kept of the plants sent you so that they will
never be duplicated except in ~~specimen~~ special cases.
the ~~[illegible]~~ labelled
What do you make of Senecio [illegible], Saxifraga [illegible]
and Brassica —— ?
[illegible], [illegible] ——
Should you detect any incorrectly named specimens
I shall be very glad to know what changes you [illegible]
suggest. Other packets will be sent [illegible] you.

Yours truly
J. M. Macoun

Ottawa Feb. 1916

My dear Macoun

[illegible]

Yours truly

[illegible]

Feb. 19th 4

Dear Mr. Mackay

Your letter of Jan. 30th with enclosure came here in due time and was placed inadvertantly among my answered letters and so was forgotten. Every day my letters are answered or put to one side for consideration and never allowed to lie over. I just happened to think of the letter this morning and so hunted it up.

I have gone over the report carefully. I see nothing wrong in your suggestions except in the matter of dates as giving the day of the year and not of the month. It may be an excellent suggestion and one that might commend itself to the majority but I prefer the old way.

I am sorry the copy is so poor but I think I can take it all in. Send out a copy to each member as soon as you can as I have caused delay by my oversight. Tell me will I make out a short statement of what has been done in Ontario last year and above what you got from others and will I write a short statement of what we did on Vancouver Island.

4 Feb. 19th

Dear Mr. MacKay

Your letter of Jan. 30th with enclosure came to me in due time and was placed inadvertently among my answered letters and so was forgotten. Every day my letters are answered as fast as one [illegible] for consideration and move onward to its own. I just happened to think of the letter this morning and so hunted it up.

I have gone over the report carefully. I see nothing wrong in your suggestions except in the matter of dates as giving the day of the year and not of the month. It may be an excellent suggestion and one that might commend itself to the majority but I prefer the old way.

I am using the copy in as few [illegible] but I think I can take it all in. Send out a copy to each member as soon as you can as I have caused delay by my own neglect. Tell me when I made out a short statement of what has been done in Ontario that you may send other about your part. Your office and work I might a short statement of [illegible] did the [illegible]

2

We have some new facts both from here and from the west.

I want to see something practical come out of our Society and will assist you in every possible way to make it a success. As you are aware one or two must take the lead and I am quite willing to back you up in any steps you may take to make the scheme a success.

As you are doubtless aware I am not in favor of Mr. Kay's election to the Royal Society; I have no objections to him as a man but there are more than a score botanists in the Dominion who understand botany better than he does who I would not vote for on that ground alone.

Very sincerely yours

John Macoun

Prof. Alex. McKay
Dalhousie College
Halifax

2

We have never seen such both from him and from
the west.

I want to see something practical come out of
the society and will assist you in every possible
way to make it a success. As you are aware I
was much taken to the lead and I am quite pre-
pared to back you up in any steps you may take
to make the scheme a success.

As you are doubtless aware, I am not
in favor of Mr. MacKay's election to the Royal Society;
I have no objection to him as a man but there
are more than a score botanists in the Dominion
who understand botany better than he does, and I
would not vote for him at present time.

Very sincerely yours
John Macoun

Prof. Alex. McKay
Dalhousie College
Halifax

Please add to your list

Mr. William Scott, Science Master
Normal School, Toronto.

Mr. James Fletcher
Experimental Farm, Ottawa

Mr. James M. Macoun Geological Museum
Ottawa

Mr. James Goldie, Guelph, Ont.

Mr. Roderick Cameron
Niagara Falls South, Ont.

Please add to your list

Mr. William Scott, Science Master
Normal School, Truro.

Mr. James Fletcher
Experimental Farm, Ottawa

Mr. James M. Macoun Geological Museum
Ottawa

Mr. James Goldie, Guelph, Ont.

Mr. Roderick Cameron
Niagara Falls South, Ont.

Feb. 20th

Dear Mr. Britton

Your letter came yesterday and I hasten to send an acknowledgment. I consider your letter a valuable contribution and shall act in accordance with your views in many respects. Still I have some doubts about a number of your suggestions.

I am not inclined to uphold Kindberg above his deserts but I do say he is a better man than Barnes who we both know. Kindberg makes too many species and in that he errs but I have yet to learn that he is dishonest. When I say he makes too many species I mean it as I can tell at a glance in many cases what causes his mistakes. I have collected so much and have seen Musci under so many conditions that I seldom make a mistake in placing material. I have no time however for critical examination and must hand my material over to others. Even this winter I have so many occupations that I have little chance for botany of any kind. I am now at work on our birds, have collected over 200 species of Maine shells the last season and mammals, reptiles and fishes galore so you see that Musci is a small part of the work. Last winter I supplied to Mr. Rand and Mr. Barnes a set of as any

Feb. 20th

Dear Mr. Britton

Your letter came yesterday and I thank you for it but as acknowledgment. I consider your letter a valuable contribution and shall act in accordance with your views in many respects. Still I have some doubts about a number of your suggestions.

I am not inclined to uphold Hinckley absolutely but I do say he is a better man than Bessey who are both trimmers. Hinckley makes too many species in that he is one but I have yet to learn that he is dishonest. When I say he makes too many species I mean it as I am tired of a genus in many cases which seems his mistake. I have collected so much and have seen Hinckley's under so many conditions that I seldom make a mistake in placing materials. I have no time however for critical re-examination and must hand my material over to others. I have been this winter, I have so many occupations that I have little chance for botany of any kind. I am now at work on our birds. I have collected over 200 species of [illegible] [illegible] and [illegible] [illegible] and [illegible] [illegible] you see that [illegible] is a [illegible] [illegible] of the [illegible]. [illegible] [illegible] [illegible] [illegible] and Mr. [illegible] a [illegible]

Circumstances but that is the last of the matter I never heard from either of them since, and indeed may not again.

We have very little money to expend on Natural History work. My son is my only assistant and for two years he was engaged on Fishing Bee work and did nothing for me. There are no botanists here who take up Cryptogamic botany and from the time it takes to become only a good collector I have little hopes of seeing any in my time. You are no doubt quite right in saying that Kindberg makes many blunders but you know that Sullivant, Austin, James, Lesquereux, Rehm and others have made blunders also. Knowing this I never looked on the Catalogue as anything else than a preliminary one and hope if I live ten years longer to make many changes but in the mean time others must bestir themselves on your side of the line and bring up your end of the work for between ourselves you have altogether too few collectors of Musci in the States at present and before are workers on lines like those you and Dr. Britton are on. I have been a worker for nearly 40 years and have seen so much work called good that was bad

that I am prepared for anything. To show how kind Englishmen are I may say that I sent Mr. Mitten a fine collection of mosses nearly 20 years ago at the suggestion of Sir Joseph Hooker and that was the last of them I never even heard from him. Another collection went to England in 1886 and that was the end of them. Kindberg may be a blunderer but he is an honest man and does not forget to treat others as he would wish to be treated.

Cardot has already revised my Fontinalis & Dichelyma Warnstorf has examined all my Sphagna. Venturi has examined all my Orthotrichi. Barnes may have examined the Dicrani but if so has not mentioned the fact to me. I know Dr. Best and will write him.

I have a few Sphagna for Prof. Eaton and when I send them will mention what you have said.

I will go on ~~to the~~ collecting to the end of the chapter and will do my level best to get my material properly named [illegible] those who helped me in the past. Kindberg has made [illegible] as gross mistakes as Braithwaite, Austin & James made [illegible] blunders that Kindberg has committed and if none is in order [illegible] no better service to expose him.

[illegible]

Very [illegible]

[illegible] Britton
[illegible] Columbia College N.Y.

that I was prepared for anything. So when her trait
Englishmen as I may say that I sent Mr. Walton a fair
collection of mosses nearly a year ago at the suggestion
of Sir Joseph Hooker and that was the last of them I never
once heard from him. Another collection went to England
in 1886 and that was the end of them. Kindberg may be
a blunderer but he is an honest man and does not forget
to treat others as he would wish to be treated.

Could then already received my Fontinalis & Dichelyma
Warnstorf has examined all my Sphagnum. Venturi has
examined all my Orthotricha. Renauld may have examined
the Dicranum but if so has not mentioned it [illegible]
me. I know Dr. Best and will write him.

I have a few Sphagnum for Prof. Eaton and when I send
them will mention what you have said.

I wait for you ~~to the~~ collecting to the end of the chapter and
will do my best but to get my materials properly named
[illegible] other helped me in the past. Kindberg has made
the general [illegible] as Brachythecium, Camptothecium & Hypnum [illegible]
[illegible] Kindberg has [illegible] and [illegible] is in order
[illegible] respect [illegible]
[illegible]

[illegible]
Philadelphia Pa.

Feb. 20th 4

My dear Mr. Dyer

Your letter of Jan. 31st came in due time and was read with much interest. Mr. Wheeler had already told me that he had done well in shells. I am glad you found something to please you in the shell line. It is on the cards now that I spend next summer on the western prairies. Should this be so I hope to make exhaustive collections of all kinds wherever I may be. I will not limit myself to any one branch but see that all are attended to as we move from point to point. I am getting a cabinet made for my shells and hope to put matters in shape here before I come through. My shells are still unpracticed and will remain so until I am ready to put them away in trays.

Fletcher told me some time since that Whiteaves had beaten us in the matter of your paper and that it was not to be published under the plea that there was no room. Should this be true I will make it hot for Mr. Whiteaves as he had it done in his own interests. Should he have a paper on the same subject

Feb. 20th

My dear Mr. Hopfer

Your letter of Jan. 31st came in due time and was read with much interest. Mr. Wheeler had already told me that he had done well in photo. I am glad you found something to please you in the photo line. It is on the track now — that I found next summer on the western prairies. Should this be so, I hope to make exhaustive collections of all kinds, otherwise I may be. I will not limit myself to any one branch but see that all are attended to as we never found it paid. I am getting a cabinet made for my photo and hope to put matters in shape here before I am through. My photos are still unfinished and will remain so until I am ready to put them away in [illegible].

Mr. Wheeler told me some time since that Whitaker had beaten us in the matter of your paper and that it was not to be published under the plan that was now pursued. Should this be done I will make it all right for Mr. Whitaker as he had it done in his own interests. However he has a paper on the same subject.

2

I will publicly accuse him and ask that his paper be not read until the next meeting of the Society. The Nautilus has not come yet so please see if you sent it at the time you sent the letter.

Should you come to Winnipeg in the summer you may hear of my being somewhere in Alberta. I will be glad to meet you and take a turn at shells in the Bow River or some other one.

Remember I asked your paper on the Marine shells of B.C. for the coming session of the Royal Society. The meeting may take place by the middle of May so be prepared if possible. You might find out from Dr. Newcombe how Williams and he are getting on in their dredging operations.

Our trip to Meech Lake still [illegible]. After that I went off for three weeks holidays and collected over 50 species of Land & Fresh water shells in Ontario about 150 miles west of here. We have had excellent health all winter. Both Mr. & Mrs. Wheeler are well and so is the boy. Give my kind regards to Mrs. Taylor and believe me to be very truly yours John Macoun

Rev. G. W. Taylor Wellington. B.C.

2

I will probably oversee him and ask that his paper be not read until the next meeting of the Society. The Manitoba has not come yet so please see if you sent it at the time you sent the letter.

Should you come to Winnipeg in the summer you may hear of my being somewhere in Alberta. Would be glad to meet you and take a turn at these in the [illegible] as some other one.

Remember I asked your paper on the [illegible] of O. C. for the coming session of the Royal Society. The meeting may take place by the middle of May or be postponed if possible. You might find out from Geo. Macoun how Webster about his [illegible] or in their [illegible] question.

Our trip to Manitoulin did me no harm. After that I went off for three weeks holidays and collected over 50 species of land & freshwater shells in Ontario about 150 miles west of here. We have had most beautiful weather. Both Mr. & Mrs. Whiteaves are well and [illegible] in the [illegible] with my kind regards to Mrs. [illegible] and believe me

Very truly yours
[illegible]

Feb. 21st.

Dear Baron Mueller

Some time since I had the pleasure of receiving amongst other publications Part I. of your "Second Systematic Census of Australian Plants". It is a most extraordinary work and one that has taken a vast amount of research. We also received the seeds and today a small parcel of plants.

By today's mail my son sends a parcel of flowering plants (100) and I hope before spring to send you a consignment of mosses that are not European. I have a great many of them.

I am sure your many duties must be a great strain on you and the fact of reading 5000 letters without having to answer them must cause much anxiety. Last summer I was on the Pacific coast and wrote you from there and now I am in Ottawa working up last year's material. At present we are beginning to wish for genial weather but must wait at least a month yet before it comes.

Seeds are no use to us here but are valuable

Feb. 21st.

Dear Baron Mueller

Some time since I had the pleasure of receiving amongst other publications Part I. of your "Second Systematic Census of Australian Plants". It is a most extraordinary work and one that has taken a vast amount of research. We also received the seeds and today a small parcel of plants.

By today's mail we send a parcel of flowering plants (we) and I hope before spring to send you a consignment of mosses that are not Conspicuous. I have a great many of them.

I am in your debt for many letters it must be a great strain on you and the fact of reading over letters without having to answer them must have [illegible] months. Last summer I was on the Pacific coast and wrote you from there and now I am in Ottawa working up last year's material. At present we are beginning to make preparations for [illegible] but must [illegible] a month before at present. I [illegible] [illegible]

2

when sent to the Experimental Farms which are located close to this city. I sent the seeds there. Any dried plants will be thankfully received at any time so please keep me before you when you are sending out specimens.

I will make a collection of the seeds of our Conifers next autumn and possibly some the coming spring when the snow goes off. My youngest son is on the Experimental Farm here and I will see that he will get some of our wild fruits for you. Please, if you do not already write to Mr. James Fletcher of the Experimental Farm, communicate with the Farm and let them know what you want and they will send you what you ask for at once if they can do so.

Dr. Selwyn is well and wishes to be kindly remembered. He wishes long life and prosperity and hopes to see you yet before he dies as we are now on the line of Australian travel.

Very sincerely yours
John Macoun

Baron F. Van Mueller
Melbourne
Victoria
Australia

when sent to the Experimental Farms which are located close to this city. I sent the seeds there. Any dried plants will be thankfully received at any time as please keep me before you when you are working out specimens.

I will make a collection of the seeds of our English next autumn and forwarding some the coming spring when the season you off. Mr. Fletcher is on the Experimental Farm here and I will see that he will get some of our wild fruits for you. Please, if you do not already, write to Mr. James Fletcher of the Experimental Farm, communicate with the Farm and let them know what you want and they will send you what you ask for at once if they can do so.

Mr. Schrager is well and wishes to be kindly remembered. He wishes long life and prosperity and hopes to see you yet before his life is over. We are now on the line of Canadian Pacific Railway.

Very sincerely yours

W. Van Horne [illegible]

[illegible]

Ottawa July 21st. 1894

Dear Mr. White

I send you to-day a [but could not send 100.] packet of plants containing about 100 of your desiderata; in about two weeks I shall send you at least 100 more. Should you desire to continue the exchange after we have squared accounts we shall be very glad to receive from you as many as you like of the plants of your vicinity that you have not already sent us from other localities.

Yours truly
Jas. M. Macoun

Mr. Jas. White
Edmonton
Ontario

The packet contains some plants got out for you by my father last year. The [illegible]

Geol. Survey Dept. Ottawa
Feb. 21st. 1884

Dear Sir

Your packet of plants and letter were duly received a few days since and we are delighted with the specimens you sent. The specimens we send you are not nearly so good but we perhaps collected under greater difficulties. I am slowly getting together another packet for you and have now more than I sent you in the last packet. I am writing now that you may tell me the latest date at which I may send you specimens in time to have you look over them before going to the field. Our duplicates have never been arranged but each year's collection has been boxed away and I am only this year getting the various ones together. Because I must very quickly get out your duplicates, or at least such of them as we have, as it is I can spare but little time from other work to prepare them for labelling and prepare but slowly.

Yours truly
Jno. M. Macoun

M.C.G. Pringle
Charlotte. Vt.

Ottawa July 21st 1894

Dear Mr. Morton

I am getting on so slowly with the distribution of plants that as evidence that anything is being done I send you a small packet to-day — 50 sheets —. A lot of grasses ferns and carices are now being labelled among which will be many of your desiderata which will in due course be sent you

Yours truly

Jas. M. Macoun

Mr. J.A. Morton
Wingham
Ont.

Ottawa Feby 21st 1884

Dear Mr. Martin

[illegible]

Feb 22nd 4

Dear Dr. Merriam

Your letter of the 19th inst. came today. I am glad you have found something to interest you. Please send the list when you conveniently can.

I. Indian Head is on the eastern side of Assiniboia on the line of the Pacific Railway. It is fairly wooded.

II Enderby is about 16 miles from the head of Lake Okanagan but on the waters that flow north into Shuswap Lake.

III Lorne Park is near Toronto in Ontario

IV Observatory Inlet is up.

V Salt Spring Island is in the Gulf of Georgia east of Vancouver Island.

VI Sproat is on the Columbia River about 25 miles north of Idaho. This place is where the Kootanie Railway commences. [illegible] is where the Kootanie River is reached by the above Railway. Sky Line is the name of a silver mine near the Hot Springs on Kootanie Lake. It is about 6000 feet above sea level.

Feb. 22nd [illegible]

Dear Dr. Merriam

Your letter of the 19th inst. came today. I am glad you have found something to interest you. Please send the list whenever you conveniently can.

I. Chelan. [illegible] is on the eastern side of Cascades on the line of the Pacific Railway. It is [illegible] wooded.

[illegible] probably is about 15 miles from the [illegible] of Lake [illegible] that [illegible] notice that [illegible] north [illegible] Lake.

[illegible] Park is near Banff in Ontario

IV [illegible] is [illegible]

V [illegible] Spring [illegible] is in the [illegible] of [illegible] [illegible]

VI [illegible] is on the Columbia River about 25 miles north of [illegible]. This place is where the Northern Pacific Railway crosses [illegible]. [illegible] is [illegible] the Northern Pacific [illegible] about [illegible]. The [illegible] is the [illegible] of a [illegible] near the [illegible]

VII [illegible] [illegible]. It is about [illegible] [illegible].

2

"Kelly Lake" I do not recognize. Please give the date of ~~ticket~~.

Please let me know the best way to trap the small Mammals. We can catch White footed Mice and Shrews but I want to get at the others.

Very truly yours
John Macoun

Dr. C. H. Merriam
Chief of Division of Mammalogy
Washington D.C.

P.S. Your second letter came today. Thanks for the traps. I will try and get some more Squirrels [illegible] Please thank Dr. Bean [illegible] from Burrard Inlet and say I have a lot of small fish caught around Vancouver Island last year. I will send to him also.

J. M.

P.S. Kelly Lake is not the one within my seven miles above Lytton, [illegible]

J. M.

2

"Kelly & Co's" is the most annoying. Please give the date of letter.

Please let me know the best way to ship the wood Museum. We can catch White [illegible] Mexican House but I want to get at the others.

Very truly yours
[illegible signature]

Dr. C. H. Merriam
Chief of Division of Mammalogy
Washington D.C.

P.S. Have received letter cover today. Thanks for the specimens. I wish they and [illegible] some more [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible]

Feb. 27th 4

Dear Dr. Eckfeldt.

I am in receipt of both your letters and I thank you very much for your trouble in naming all my Lichens. I send a few specimens of those you were in doubt about or were too poor for proper identification.

I am glad we have at last Cetraria Richardsonii. Next year I hope to get some rock Lichens. During my many other duties I have never been able to do much on rocks but hope to have an opportunity this season. I am now sure of going to the prairie region north of Montana and hope to do good service in collecting in both the fauna and flora of that region.

Thanking you again for your kindness
I remain faithfully yours John Macoun

P. S. Should you ever take up the Diatoms I will send you all my mounted specimens for examination as you are aware I have many named by Dickiemann.
J. M.

Dr. Eckfeldt.
[illegible] & 65th St Philadelphia Pa.

Feb. 27th "

Dear Dr. Eckfeldt:

I am in receipt of both your letters and I thank you very much for your trouble in naming all my Lichens. I send a few specimens of those you were in doubt about — or were too poor for proper identification.

I am glad we have at last [illegible] Lich-enology, next year I hope to get some work in Lichens. During my many other duties I have never been able to do much for [illegible] but hope to have an opportunity this season. I am now one of party to the prairie region north of Montana and hope to do good service in collecting in both the fauna and flora of that region.

Thanking you again for your kindness
I remain faithfully yours John Macoun

I send you [illegible] the Lichens [illegible] C. O. [illegible] for examination [illegible] many [illegible] by [illegible]

Dr. J. W. Eckfeldt, Philadelphia Pa.

Feb. 27th 4

Dear Mr. Cardot.

Yesterday I received your card and two packets of European Mosses for which I desire to return my sincere thanks. In acknowledgment of these and as in part a fulfilment of my promise to send you mosses I send now a packet containing three broken centuries of my Canadian Musci. I have issued six centuries and those now sent are short in a number of species. The enclosed tickets will show the numbers short and give you their names.

I also send the Fontinalis obtained on Vancouver Island last summer which I desire you to name for me and return. Many of the specimens sent you have been named by Kindberg and where you find any corrections would you kindly send me the wrapper of the specimen with the change of name so that I may follow up the correction in my sets and herbarium. Many of those sent now Kindberg may not have seen so you will oblige me very much by

Feb 27th

Dear Mr. [illegible]

Yesterday I received your card and two packets of European Mosses for which I desire to return my sincere thanks. In acknowledgment of them and as in part a fulfillment of my promise to send you mosses I send now a packet containing three Eastern [illegible] of my Carolina Mosses. I have received this certificate and these were sent me about in a number of species. This enclosed certificate will show the number about and give you their names.

I also send the [illegible] obtained on Vancouver Island [illegible] mosses which I desire you to name for me and return. Many of the specimens sent you have been named by Kindberg and others you find any corrections would you kindly send me the names of the specimens with the change of name on the [illegible] I may follow up the correction in my list and [illegible]. Many of these named by Kindberg may not have been [illegible] you [illegible] me very much by

2

returning to *some of the specimens* you may determine otherwise than as I send it.

I will be very glad to receive other instalments of your mosses whenever it is convenient for you to send them.

After a short time I will get my work in such shape that I will be able to send you most of the new species. Some parties on this side are speaking against Dr. Lindberg but while believing he is not infallible I am not going to go back on him as he has been very kind, and has done much good work though perhaps has made too many new species. I mean however for you to see them all and hope you will let me know your honest opinion of them.

Very sincerely yours
John Macoun

M. Jules Cardot
Stenay (Meuse)
France

determining the name of the specimens you may
determine otherwise than as I send it.

I will be very glad to receive other instal-
ments of your mosses whenever it is convenient
for you to send them.

After a short time I will get my work in
such shape that I will be able to send you most of the
new species. Some parties [illegible] are speaking
against Dr. Kindberg but while believing he
is not infallible I am not going to go back
on him as he has been very kind, and has
done much good work though perhaps has made
too many new species. I mean however for
you to [illegible] before you send me [illegible]
your honest opinion of them.

Very sincerely yours

M. Jules Cardot
Stenay (Meuse)
France

Feb. 28th ,

Dear Mr. Brooks.

Your letter and very valuable list came yesterday and I thank you very much for them both. I am working at the Catalogue of Birds every day and will make use of your catalogue very shortly. My arrangement of the birds is the same as in the A.O.U. List. I write them up in the same way as I did the catalogue of Canadian Plants, by commencing at the east and working westward. In the west I am working in the notes as follows Birds of Manitoba, (Thompson) Spreadborough, Richardson, Macfarlane, Ross. Nelson, Turner, Murdoch, Streator, Lord, Fanning, Rhoads, Brooks and lastly Macoun. I will mention all my authorities in the preface and will aim to do every person justice.

As soon as I reach your list which will be next week I may write you again regarding species that you have seen or may not have seen and which may be confirmed by some of the other observers. Last summer I spent on Vancouver Island and as I spent some

Feb. 28th "

Dear Mr. Brooks.

Your letter and very valuable list came yesterday and I thank you very much for them both. I am working at the Catalogue of Birds every day and will make use of your catalogue very shortly. My arrangement of the birds is the same as in the A.O.U. List. I write them up in the same way as I did the Catalogue of Canadian Plants, by commencing at the east and working westward. In the work I am writing in the notes as follows Birds of Manitoba, (Thompson) Seton-Thompson, Richardson, Macfarlane, Ross, Nelson, Preble, Macoun, Murdoch, Rhoads, Lord, Fannin, Rhoads, Brooks and Lady Macoun. I will mention as my authorities in the preface and will cease to be very famous quoted.

As soon as I reach your list which will be next week I may write you again regarding species that you have seen as many not here now and which may be confirmed by some of the other observers. Last summer I spent one afternoon [illegible] Island and [illegible]

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time in the Fraser valley I may have some questions to ask you about my own identifications.

I was so doubtful of Fannin that I went over to the west coast last year to satisfy myself so I may have some remarks to make about some of his species.

I obtained my permit for Ontario from the Minister of Agriculture in Toronto. I think you will have no difficulty in getting one if you ask for it. Should you desire one for the North West let me know and I will see that you get it as I will ask for it here and follow it up if necessary. I do not believe one is necessary however, as I never had one. Should you desire me to get a permit for you from Toronto fill out the application and I will endorse it and send it on.

Very sincerely yours
John Macoun

Mr. Allan Brooks.
Mount Forest
Ont.

time in the Niagara valley I may have some questions
to ask you about my own identifications.

I see no duplicate of [illegible] that I sent
on to the next [illegible] last year to satisfy myself
as I may have some remarks to make about some
of his specimens.

I obtained my permit for Ontario from
the Minister of Agriculture in Toronto. I think
you will have no difficulty in getting one if you
ask for it. Should you desire me for the [illegible] that
let me know and I will see that you get it as
I will ask for it here and forward it if necessary.
I do not believe one is necessary, however, as I never
had one. Should you desire me to get a permit for
you from Toronto fill out the application and I
will endorse it and send it on.

Very sincerely yours
[illegible] Macoun

Wm. Allan [illegible]
Mount Forest
Ont.

Feby 28th 4

Dear Mr. Pringle

I send you to-day about 50 of your desiderata all I shall be able to get out for you just now though others will be sent you later. Shall I send the specimens to your Charlotte address or hold the packet until your return?

In reply to your query re drying plants I would say that we use fire heat whenever available. All our specimens are collected beyond the reach of cooking stoves but much the same plan as yours is followed in the field. A drier in stakes around the camp fire against which the driers are stood before the fire being turned until perfectly dry and then used while hot in an hour or less. They are again changed the pile growing gradually smaller as the dried specimens are removed, so that the heat

of each day's collecting is dried the same night.
In [illegible] Bay I dried my papers at the
engine-room fire and kept the plants when
dried in a room near the engine-room of the steamer.
One great trouble in the west and north is not
in drying the plants so as to make decent specimens
but in keeping them in good condition when dry
as we often have to "pack" them about with us for
[illegible] of the [illegible] Hudson Bay in 1887
months. My last trip to
around me 7 months and I carried my specimens
with me during the whole trip which was made in
bark canoes and lost none of them. Do not fail
to let me know what you wish done with the
specimens.

Yours sincerely

Jas. M. Macoun.

Mr. C. G. Pringle

Charlotte, Vt.

Olean March 4

Dear Sir

Your letter of Feby 22nd was received yesterday as soon as after I had concluded my examination of my father's Compositae. A set of the plants and of the [illegible] which were [illegible] by Palmer has been mailed to you to-day. When you have time to examine them we shall be very thankful [illegible] troublesome to me. [illegible] your notes [illegible] Polypetalae was very valuable. Could [illegible] what you think of some of the [illegible] would confer a great favor. [illegible] you made the unnamed [illegible] sent in the last [illegible] to send him [illegible]? My father wishes me to ask you to send him [illegible] will the [illegible] in [illegible] of the [illegible] as soon as I have concluded my work on [illegible] I shall send you another packet.

Yours sincerely
Jas. M. [illegible]

To Prof Edward L. Greene
Berkeley, Cal.

[illegible] 9

Dear Sir:

I have not heard whether the first packet of grasses sent you some weeks ago reached you safely but trust that it went all right. I discovered a few days ago that I [illegible] one bundle of grasses and I send them to you to-day with the same [illegible] [illegible] [illegible] [illegible] by my father in the [illegible] of the [illegible] in 1891. They were determined by Dr. Vasey. [illegible] [illegible] of other grasses will be sent you by [illegible] as I have time to get them out. When you [illegible] 1892 [illegible] [illegible] [illegible] I [illegible] changes you would [illegible] to know what changes [illegible] to hear from you what the [illegible] in the [illegible] and [illegible] determinations. Any [illegible] of the undetermined [illegible] will be [illegible] in the 1891 [illegible].

Respectfully [illegible]

Yours truly,
Geo. [illegible]

Prof. F. Lamson Scribner
Knoxville, Tenn.

Ottawa March 4

My Dear Holm

I send you to-day a packet of
Carices – western – determined by Bailey, they are for
yourself of course, not for the Department, and when
you have had time to examine them we shall be
very thankful for any notes you may make on them
but please do no more than look at them until
you have reported on the 1883 collection which I
want if possible to distribute before Spring.
I shall, I am afraid, be unable to visit Washington
this year unless some new "Dark" business takes me there
of which there is little prospect at present. This
Department is "stabbed" and there are rumours to the
effect that we shall get no salaries of the this month
so that it would be hopeless to ask to be sent
there and I cannot afford to go at my own
expense. I am very anxious to get out my
paper on Behring Sea plants and don't know what

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to do about it. My father is president and Fletcher
Vice-President of the Biological Section of the Can.
Royal Soc. this year and will see that paper there
is given the paper so that list and all can be
printed. This I would not get another year and it
is by that Society I want the paper printed. I can
do a paper on the [illegible] for the [illegible] Soc. where
I feel it necessary. I am in a great quandary
for I have the material for a good paper but
doubt my ability to do it alone even with the
assistance I might receive from you by correspondence and then, I am so [illegible] [illegible] that the
The list of itself would be of great value, from what
material which I cannot do alone partly from want
of books and partly from want of knowledge and
material for comparison. What do you think? I had
letter so about it? I am not going to the field
this summer but will remain for the greater part
of the [illegible] in [illegible] to see my father's Catalogue

of Birds through the press. In July or August I
shall take a tent and his man to the woods some-
where for a few weeks. If you could manage to join
me I should be willing to go anywhere you like and
will agree to feed you at the expense of the Government.
Our local railway lines have made accessible a
very interesting country north of here and north
of Quebec. A couple of dollars will take one
far into the virgin forest. Can't you
get sent up here to examine the matters
?
[illegible]

Yours sincerely

Jas. M. Macoun.

Thos. Holm Esq
Dept of Agriculture
Washington D.C.

List of Mr. James Lorrillo's Annual
Second Plants collected 1878. Those with a cross on the right of the name were collected in 1880.

I Ranunculaceae

1 (5) Anemone patens Linn. var. Nuttalliana, Gray — J. M.
2 (7) " parviflora, Michx.
3 (11) " Richardsonii, Hook.
4 (34) Ranunculus affinis, R. Br.
5 (41) " Lapponicus, Linn.
6 (42) " hyperboreus, Rottb.

II Papaveraceae

7 (102) Papaver nudicaule, Linn. ×

III Fumariaceae

8 (110) Corydalis glauca, Pursh.
9 (111) " aurea, Willd.

IV Cruciferae

10 (129) Cardamine pratensis, Linn. var. Angustifolia
11 (132) Arabis lyrata, Linn.
12 " humifusa, var. pubescens, Wats.
13 (146) Barbarea vulgaris, R. Br.
14 (157) Sisymbrium humile, C. A. Meyer.
15 (166) Parrya arctica R. Br.??
16 (171) Draba hirta, Linn. +
17 (178) " nemorosa, Linn. var. leiocarpa, Lindb.
18 (179) " stellata, Jacq. var. nivalis, Regel. +
19 (182) Cochlearia officinalis, Linn.
20 (195) Eutrema Edwardsii, R. Br.

V Violaceae

21 (238) Viola palustris, Linn.
22 (240) " canina, Linn. var. sylvestris, Regel.

VI Caryophyllaceae

23 (263) Silene acaulis, Linn. +
24 (264) Lychnis apetala, Linn.
25 (282) " affinis, Vahl.
26 (289) Arenaria lateriflora, Linn.

List of Mr. James ... Plants, collected 1873 ...

I Ranunculaceae

(1) Anemone patens, Linn. var. Nuttalliana, Gray

" [illegible], Hooker

" Richardsonii, Hook

(4) Ranunculus affinis, R. Br.

(5) " Lapponicus, Linn.

(6) " hyperboreus, Rottb.

II Papaveraceae

(22) Papaver nudicaule, Linn. ×

III Fumariaceae

(10) Corydalis glauca, Pursh.

(11) " aurea, Willd.

IV Cruciferae

(25) Cardamine pratensis, Linn. var. angustifolia

(26) Arabis lyrata, Linn.

" [illegible] var. [illegible], Hook

(46) Barbarea [illegible], R. Br.

(37) Sisymbrium [illegible], C. A. Meyer

(46) Draba [illegible] R. Br. ??

(11) Draba hirta, Linn. ×

(19) " incana, Linn. var. [illegible]

(20) " [illegible] var. [illegible] ×

(10) Cochlearia officinalis, Linn.

(15) Eutrema Edwardsii, R. Br.

V Violaceae

(20) Viola palustris, Linn.

(20) " canina, Linn. var. sylvestris, Regel.

VI Caryophyllaceae

(20) Silene acaulis, Linn. ×

(20) Lychnis apetala, Linn.

(25) " affinis, Vahl

27 (300) Stellaria longipes, Goldie var. Edwardsii, Rich.
28 (298) Stellaria borealis, Bigel.
29 (300) " longifolia, Muhl.
30 (303) " humifusa, Rottb.
31 (311) Cerastium alpinum, Linn. +
VII Geraniaceae
32 (309) Geranium Carolinianum, Linn.
VIII Leguminosae
33 (497) Astragalus alpinus, Linn.
34 Oxytropis Bellii, Britt.
35 (527) " campestris Var. caerulea +
36 " viscida, Nutt.
37 " leucantha
38 (533) Hedysarum boreale, Nutt. 56° N. Mackenzie +
IX Rosaceae.
39 Prunus Pennsylvanica, Linn.
40 Rubus Chamaemorus, Linn. +
41 " arcticus, Linn. var. grandiflorus Ledeb.
42 " strigosus, Michx.
43 Dryas integrifolia, Vahl. +
44 Fragaria Virginiana
45 Potentilla Norvegica, Linn.
46 " nivea, Linn.
47 " palustris, Scop.
48 " ~~fruticosa, Linn.~~ emarginata, Pursh. +
49 " tridentata, Solander.
50 Amelanchier alnifolia? Nutt.
X Saxifragaceae
51 Saxifraga oppositifolia, Linn. +
52 " caespitosa, Linn. +
53 " rivularis, Linn. +
54 " cernua, Linn.
55 " nivalis, Linn.
56 " hieracifolia, Waldst. & Kit.
57 " punctata, Linn.

VII

VIII

IX

58 Saxifraga rivularis, Linn.
59 " caespitosa, Retz. x
60 Chrysosplenium alternifolium, Linn.
61 Parnassia Kotzebuei, Cham. & Schlecht. x
62 Ribes setosum, Lindl.
63 " rubrum, Linn.
64 " prostratum, L'Herr.
65 " Hudsonianum, Richards.

XI Halorageae

66 Hippuris vulgaris, Linn.
67 " maritima, Linn.

XII Onagraceae

68 Epilobium angustifolium, Linn. x
69 " latifolium, Linn. x
70 " lineare, Gray.

XIII Cornaceae

71 Cornus Canadensis, Linn.

XIV Caprifoliaceae

72 Viburnum pauciflorum, Pylaie.
Linnaea borealis, Gronov.

XV Rubiaceae

Galium trifidum, Linn.

XVI Compositae

Erigeron uniflorus, Linn.
76 " eriocephalus, J. Vahl
77 Antennaria alpina, Gaertn.
78 Achillea Millefolium, Linn. var. nigrescens x
79 Matricaria inodora, Linn. var. nana, Hook.
80 Artemisia borealis, var. Wormskioldii, Bess.
81 Petasites palmata, Gray.
82 " sagittata, Gray. x
83 Arnica alpina, Murr. x
84 Senecio palustris, Hook. var. congestus, Hook. &
85 " aureus, Linn. var. borealis, Torr. & Gr.
86 " " var. Balsamitae, Torr. & Gr.

87 Saussurea alpina, ~~Dc. [illegible]~~
88 Taraxacum officinale, Weber, var. alpinum, Koch.

XVII Campanulaceae

89 Campanula rotundifolia, Linn.

XVIII Vacciniaceae

90 Vaccinium Canadense, Kalm.
91 " uliginosum, Linn. ×
92 Oxycoccus vulgaris, Pursh.
93 Vaccinium Vitis-Idaea, Linn. ×

XIX Ericaceae

94 Arctostaphylos alpina, Spreng. ×
95 " uva-ursi, Spreng.
96 Cassandra calyculata, Don.
97 Cassiope tetragona, Don.
98 Andromeda polifolia, Linn.
99 Loiseleuria procumbens, Desv.
100 Bryanthus taxifolius, Gray.
101 Kalmia glauca, Ait.
102 Ledum latifolium, Ait.
103 " palustre, Linn.
104 Rhododendron Lapponicum, Wahl.
105 Pyrola minor, Linn.
106 " secunda, Linn. var. pumila, Gray.
107 " rotundifolia, Linn. var. pumila, Hook. ×

XX Plumbaginaceae

108 Armeria vulgaris, Willd.

XXI Primulaceae

109 Primula Mistassinica, Michx.
110 Trientalis ~~[illegible]~~ Americana, Linn.

XXII Gentianaceae

111 Menyanthes trifoliata, Linn.

XXIII Hydrophyllaceae

112 Phacelia Franklinii, Gray.

XXIV Scrophulariaceae

113 Castilleja pallida, Kunth
114 Pedicularis Lapponica, Linn. +
115 " euphrasioides, Stephan
116 " hirsuta, Linn.
117 " flammea, Linn.
118 " capitata, Adams.

XXV Lentibulariaceae

119 Pinguicula villosa, Linn.
120 " vulgaris, Linn.

XXVI Polygonaceae

121 Polygonum viviparum, Linn.
122 Oxyria digyna, Campd. +

XXVII Myricaceae

123 Myrica Gale, Linn.

XXVIII Cupuliferae

124 Betula papyrifera, Michx.
125 " pumila, Linn.
126 " glandulosa, Michx.
127 Alnus viridis, DC.

XXIX Salicaceae

128 Salix arctica +
129 " " var.
130 " Brownii +
131 " Richardsonii
132 " reticulata
133 " herbacea +
134 " rostrata
135 " arbusculoides
136 " ——— ?
137 " ——— ?
138 Populus tremuloides

XXX Empetraceae

139 Empetrum nigrum, Linn. +

XXXI Coniferae

140 Juniperus communis, Linn.
141 " Sabina, L. var. procumbens, Pursh
142 Picea nigra, Link.
143 " alba, Link.
144 Larix Americana, Michx.

XXXII Liliaceae

145 Smilicina trifolia, Desf.
146 Maianthemum Canadense, Desf.
147 Allium Schoenoprasum, Linn.
148 Tofieldia borealis, Wahl.

XXXIII Juncaceae

149 Luzula spadicea, DC. var. melanocarpa, E. Meyer
150 " campestris, DC. var. vulgaris, Wahl.
151 " " var.

XXXIV Cyperaceae

152 Scirpus caespitosus, Linn.
153 Eriophorum polystachyon, Linn.
154 " vaginatum, Linn. [illegible] capitatum ×
155 Carex rariflora
156 " canescens, L. var. alpicola, Wahl.
157 " misandra, R. Br.
158 " capitata, Linn.
159 " vulgaris, Fries var. hyperborea, Boott
160 " Magellanica, Lam.
161 " saxatilis, Linn.
162 " rotundata, Wahl.

XXXV Gramineae

163 Hierochloa alpina, Gmel.
164 Calamagrostis [illegible], Ledb.
~~165 [illegible]~~
166 Arctophila Laestadii, Rupr.
167 Elymus arenarius, Linn.
168 " mollis, Trin.

169 Calamagrostis lanceolata, Roth.
170 " phragmitoides, Hartm.
171 Poa alpina, Linn.
172 " [illegible], R. Br. = [illegible]
173 " [illegible], All.
174 Trisetum subspicatum, Beauv.

XXXVI Equisetaceae

175 Equisetum sylvaticum, Linn.

XXXVII Filices

176 Polypodium vulgare, Linn.
177 Phegopteris Dryopteris, Fée
178 Aspidium fragrans, Swartz.
179 Cystopteris fragilis, Bernh.
180 Woodsia ilvensis, R. Br.

XXXIX Lycopodiaceae

181 Lycopodium annotinum, Linn.
182 " " var. alpestre, Hartm.
183 " complanatum, Linn.
184 " Selago, Linn. +

XL Musci

185 Sphagnum fuscum var. pallens, Warnst.
186 " tenellum var. rubellum, Warnst.
187 " acutifolium, Russ. & Warnst.
188 Dicranum elongatum, Schwgr.
189 " congestum, Brid.
190 " fuscescens, Turn.
191 " Bergeri, Bland. +
192 Aulacomnium palustre, Schwgr.
193 Polytrichum strictum, Banks
194 [illegible] nitens, [illegible] +
195 [illegible] [illegible], [illegible]
196 Hypnum Schreberi, Willd.
197 Hylocomium [illegible]
198 " [illegible]

[illegible] Hepaticae

199 Ptilidium ciliare, Dum.

XLII Lichenes

200 Cetraria aculeata, Fr.
201 " arctica, Hook.
202 " Islandica, Ach.
203 " " var. Delisei, Ach.
204 " [illegible]
205 " cucullata, Ach.
206 " juniperina, Ach. var. Pinastri, Ach.
207 " nivalis, Ach. +
208 Alectoria jubata, (Ach.) var. implexa, Fr.
209 " divergens, Nyl.
210 " ochroleuca, Nyl. var. (a) rigida, Fr.
211 Parmelia physodes, Ach.
212 " conspersa, Ach.
213 Umbilicaria Muehlenbergii, Tuckerm.
214 Nephroma arcticum, Fr.
215 Lecanora tartarea, Ach.
216 Stereocaulon Despreauxii, Nyl.
217 Cladonia decorticata, Floerk.
218 " gracilis, Fr. var. elongata, Fr.
219 " rangiferina, Hoffm.
220 " " var. sylvatica, L.
221 " cornucopioides, Fr.
222 Baeomyces ~~[illegible]~~ aeruginosus, Ch.
[illegible]

223 Comarum palustre
224 Orchis rotundifolia
225 Carex incurva
226 Pedicularis euphrasioides ?
227 Andromeda [illegible]
228 Bartsia alpina

March 2nd [illegible]

My dear Mr. Terrill.

By today's mail we return to you your collection
of last year less a few we have mounted. These from
Ashe's Inlet and the sheets from Fort Churchill.

I return also the little slips. I made out two lists
one merely to locate and separate the specimens. The other
a systematic one. I send both of these to you having made
a copy of the second one in my letter book. The Churchill
and Ashe's Inlet plants are numbered according to the
list. On the first list you will find the number of the
station where the specimens were found so that there
will be no difficulty in making out the list as you
desire it.

With two exceptions we had all the species from
the arctic regions before. These were [illegible] [illegible]
and Saxifraga [illegible]. The collection was very inter-
esting owing to the locality where the specimens were fo[und]
carried and enlarged our knowledge of the range of certain
species very much. When you are ready I will supply
[illegible] your notes by some account if you desire it.

Very truly yours [illegible]

Mr. J. [illegible] 42 James St. South Hamilton.

March 2nd

My dear Mr. [illegible]

[illegible] made me return to you your collection of [illegible] you [illegible] me a few [illegible] months. These came [illegible] Inlet and the [illegible] from Port Chalmers.

I returned also the little [illegible]. I could not [illegible] me [illegible] to look and adjust the specimens. [illegible] a [illegible] me. I send [illegible] to you having [illegible] a copy of the [illegible] one in my letter book. The [illegible] and [illegible] Inlet plants are numbered according to the list. On the first list you will find the number of the station where the specimens were found so that there will be no difficulty in making out the list as you desire it.

With [illegible] completion we had each specimen from the [illegible] specimens before. These were [illegible] and [illegible]. The collection was very [illegible] when [illegible] to the locality when the specimens were [illegible] and [illegible] of the [illegible] specimens [illegible] months. [illegible] you are ready [illegible] [illegible]

Feb. 23d [illegible]

Dear [illegible] Candler

Your letter reached me in due time and I am [illegible] [illegible] it is [illegible] to say that I [illegible] [illegible] [illegible] [illegible] [illegible] I have but without you [illegible] [illegible] [illegible] [illegible] rather wait until next autumn.

Since I [illegible] in [illegible] I have had some corres[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] and we have about decided to spend [illegible] [illegible] [illegible] [illegible] but [illegible] [illegible] [illegible] and the eastern [illegible] of the Rocky Mountains. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] a few many things that will [illegible] [illegible] [illegible] and valuable [illegible] [illegible] I would [illegible] [illegible] [illegible] [illegible] I had gathered in your [illegible] [illegible] I have never [illegible] [illegible] [illegible] [illegible] [illegible] work.

[illegible] [illegible] [illegible] in that case I will put my [illegible] [illegible] [illegible] [illegible] I am working on [illegible] [illegible] [illegible] [illegible] but one may have my catalogue of Canadian [illegible] [illegible] [illegible] [illegible] out and it would be [illegible] [illegible] [illegible] [illegible] [illegible] at the earliest. I shall [illegible] be able to [illegible] [illegible]

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[illegible] [illegible] [illegible] in it.

Mr. J. Raine, 91 [illegible] St. Toronto, has

collected many varieties of eggs in the Canadian

[illegible] during the past three seasons. He is a very

[illegible] collector and can give you a good deal of

information about birds nesting. The [illegible]

[illegible] [illegible] and a number of other

interesting birds. Mr. Raine's address is as above.

Very sincerely yours

[illegible] [illegible]

[illegible]

[illegible]

[illegible]

March 5th 4

My dear Sir

Your letter with the notes came this morning. I thank you very much for both of them and will use them in their proper places. Since you were here things have changed somewhat and now there is no hurry about the bird catalogue. Our money has run out and no new work can be sent to the printer before next July. As I will leave here for the west towards the end of May that puts the printing off until October at least so by that time you may have many more notes for ~~your~~ one.

I will be sure and get the eggs for you next summer.

I am glad you fell in with the word "Lit" instead of "Latch" I much prefer the former and will use it where necessary.

The name of the Light Keeper on the Ducks was (or is) Frederick ~~Lame~~ Sweatman

I wish you every success on the Ducks the coming summer.

Very sincerely yours
John Macoun

Rev. Charles J. Young
The Parsonage
Lansdowne
Ont.

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March 3rd 4

My dear Sir

Your letter with the notes came this morning. I thank you very much for both of them and will use them in their proper places. Since you were here things have changed considerably and now there is no hurry about the Bird Catalogue. Our money has run out and no new work can be sent to the printer before next July. As I will leave here for the west towards the end of May that puts the printing off until October at least or after that time. You may have many more notes for your one.

I will be here and get the eggs for you next summer.

I am glad you fell in with the word "tilt" instead of "bitter". I much prefer the former and will use it when necessary.

The name of the Light-Keeper on the Pacific was (or is) Frederick Grant on the Pacific the [illegible]

I wish you every success

Very sincerely Yours

[illegible]

Mr. Charles F. Young
[illegible]
[illegible]

March 6th 4

Dear Dr. Newcombe

Yesterday I received the Bulletin of the Natural History Society of British Columbia. There is much new and valuable matter in it but it has its drawbacks. Your papers are valuable in any case because you have authorities at your back and you cite them without any fear of being considered ignorant because you do so.

The gentlemen who write the papers on Entomology must be young as they have to learn a great deal yet. Why did they not have some talk with Taylor before printing. Try and impress on your Vancouver Island friends the same broad sentiments you have yourself as they are sadly lacking in this respect.

Next season I am going to the Prairie Region and Spreadborough is going to be my right hand man. I have written him already but will again in a day or two.

Very Sincerely Yours

John Macoun

C. F. Newcombe M.D.

Victoria B.C.

March 6th

Dear Dr. Newcombe

Yesterday I received the Bulletin of the Natural History Society of British Columbia. There is much new and valuable matter in it but it has its drawbacks. Your papers are valuable in every way because you have authorities at your back and you ask them without any fear of being considered ignorant because you do so.

The gentleman who wrote the paper on Entomology must be young as they have to learn a great deal yet. Why did they not have some talk with Taylor before printing. Rev. and [illegible] on your Vancouver Island friends the same kind authorities you have yourself as they are really lacking in this respect.

Next season I am going to the [illegible] Region and Spreadborough is going to be my right hand man. I have written him already but write again as [illegible] that we [illegible].

Very sincerely yours
John Macoun

C. F. Newcombe M.D.
Victoria B.C.

March 6th 4

Dear Mr. Bean

Your note and the package of seeds came safely this morning I thank you very much for them. I have examined a number of them and find them in good condition. They are quite an acquisition to our collection which is not very full in the line of seeds.

Next year I will be in the prairie section of Alberta and hope to make extensive collections in many lines amongst others butterflies. During the collecting season I would like to send you off from time to time specimens for identification of those we might capture. At any rate I will write you again before I take the field which will not be until May.

Very sincerely yours

[illegible]

Mr. Thomas E. Bean
Laggan Station,
Alberta

March 6th

Dear Mr. Bean

Your note and the package of seeds came safely this morning. I thank you very much for them. I have examined a number of them and find them in good condition. They are quite an acquisition to our collection which is not very full in the line of seeds.

Next year I will be in the prairie section of Alberta and hope to make extensive collections in many lines amongst other Lepidoptera. During the collecting season I would like to send you some of these little specimens for identification of those we might capture. At any rate I will write you again before I take the field which will not be until May.

Very sincerely yours

[signature]

Mr. Thomas E. Bean
Laggan Station
Alberta

March 6th

My dear Madam

Your letter of the first inst. came yesterday and I hasten to send you Tayloria Acuminata as named by Lindberg. I send also a Philonotis and P. calcarea. Thanks for the notes sent in the letter. I will keep them all for use when I revise the Catalogue or publish notes of additions and changes which I must do very soon. I left out L. Fowleri because it was not mentioned in James & Lesq. and because I believed it to be L. rubrum. I send the specimen sent to me by Fowler over 20 years ago. What do you make of it.

I had only a scrap of what Austin named Discelium nudum and this on close examination became Webera pulchella as named by Austin. Please examine the specimens I sent Austin and see if his determination be correct.

Since I wrote you I received a large number of mosses from Cardot; he asked for a return and I sent him a large bundle and asked him to send me back the original wrappers of any species he changed the name of as I wanted to correct Lindberg's work where he thought

March 6th

My dear Madam

Your letter of the first inst. came yesterday and I hasten to send you [illegible] Acuminata as named by Lindberg. I send also a Philonotis and L. [illegible]. Thanks for the notes sent in the letter. I will keep them all for use when I revise the catalogue or publish notes of additions and changes which I must do soon. I left out L. Hookeri because it was not mentioned in James copy, and because I believed it to be L. [illegible]. I send the specimens sent to me by Austin over 20 years ago. What do you make of it? I had only a scrap of what Austin named Cincinnulus [illegible] and this is also [illegible] because [illegible] as named by Austin. Please examine the specimens I send and see if his determination be correct.

Since I wrote you I received a large number of [illegible] from Lesquereux. He asked for a revision and I sent him a large bundle and asked him to send me back the original envelopes of any species he changed the name of as I would be [illegible]

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he was astray. Whether Hindley is correct or not
in his determinations he does exactly as you say—takes
a great burden off my shoulders and at least indicates
the lines on which things can be studied. Of course
you can at any time ask me for any material you
may want to study and it will be forthcoming
at once. I read your last contribution to the Bulletin
with great interest. I wrote both O. connectens and
O. campylopoda before Hindley did and have never said
that they were rightly referred to O. [illegible] but it
is not my plan to work with the microscope as I have
too much on hand in other lines. I am quite sure
that you have hit on the proper solution as all my
specimens were collected in the fall and were all in
the same state. Regarding U. subulata I may
say that I never remember receiving any of it from
Hindley and I am ~~tempted~~ to believe that he had
picked it out from the specimens sent that he named
U. [illegible]. You will see by the catalogue that they
were both collected at the same time and place. I am quite
sure that the two species were sent under one number and
hence recommend you to hold to your own descriptions as

2

it is absolutely pure to same specimens in Kindberg's.

I am sending a number of specimens with the [illegible] [illegible] [illegible] that have not been named by Kindberg. They were collected near Ottawa and hence are in your area. I wish you to look carefully at the following numbers.

No 29 The inner specimen was named L. mittenii by Kindberg. No. 18 is [illegible] and is [illegible] [illegible] [illegible] of identity as there are [illegible] [illegible].

Nos 3, 8, 7, & 8 were named by Kindberg. I would like you to examine 10, 23, & 24

Please return what is left after examination by Dr. [illegible] or give me a small piece.

Thank Dr. Britton for the last five contributions which I have just received. I am much in his debt.

My next three summers will be spent on the prairies and most of my time will be taken up with the [illegible] and additional things in [illegible]. but still I hope to get some [illegible] yet.

The tickets are not finished yet.

Very sincerely yours
John Macoun

Mrs. E. G. Britton
Columbia College
New York

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is identically from the same specimens as Kindberg's.
I was sending a number of specimens with the
[together after identification]
labels as have been named by Kindberg. They were collected
near [illegible] and have the [illegible] in your hand. I wish you
to look carefully at the following numbers.
No 29 The seven specimens are named A. [illegible] by
Kindberg. No. 18 [illegible] and [illegible] as [illegible] positively
identify as these are [illegible].
Nos 3, 9, 7, and 8 were named by Kindberg. I would
like you to examine 10, 23, and 24 [illegible] examination of
Please return what is left after examination
[illegible] as given are a [illegible].
Thank Dr. Britton for the last [illegible]
which I have just received. I am much in his debt.
[illegible] the [illegible] will be [illegible]
and [illegible] will be [illegible]
[illegible] I hope to get some additional things in [illegible].
The [illegible] are not [illegible] yet. Very sincerely yours
John Macoun

Mrs. E. G. Britton
Columbia College
New York

March 7th 4

My dear William

Your letter came in due time and I now write to say that it is all settled for next season. I have made up my mind to spend this summer on the prairie and the coming one in Alberta. In looking over the map I have come to the conclusion that Medicine Hat might be the best place to locate at first. Of course you would stop at Calgary to get supplies if you needed them. After a time you could decide whether Medicine Hat would be the best and could shift somewhere else.

(1) Your special work will be trapping small mammals and making notes on their habits (2) Trying to obtain all the data possible of the birds breeding in the district and details of their nests and eggs. Besides these two notes will be made of the migrants and specimens obtained of all the small birds and any big birds you did not get in 1892. Later you will get some spring flowers and we will collect shells, fish, reptiles and plants. I am going to make an exhaustive report.

Let me have any notes you may have gathered in the winter and skin any skins for me you think.

March 7th 4

My dear Wilkinson

Your letter came in due time and I now write to say that it is all settled for next season. I have made up my mind to spend this summer on the prairie and the coming one in Alberta. In looking over the map I have come to the conclusion that Medicine Hat might be the best place to locate at first. (1) Where you could stop at Calgary or get supplies if you needed them. After a time you could decide whether Medicine Hat would be the best and build shop accordingly etc.

(1) Your experience would be trapping small mammals and making notes on their habits (2) Preparing to obtain all the data possible of the birds breeding in the district and lists of their nests and eggs. Besides this I want notes made of the migrants and migrations thereof of all the common birds and any big birds you think not got in 1892. Later you will get more spring flowers and make very careful notes, pictures, negatives and plants. I am giving the names in alphabetical order.

But not less any notes you may have gathered in the winter and such any others for me you thought

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we meet.

I intend you to be on the ground by April 1st. so without waiting for another letter come on in the time mentioned. Your wages will be $50 per month and your engagement last six months. I may write again before you leave for the east but if you should not hear from me I will address you at Medicine Hat. Leave the [illegible] with Mr. Taylor for the present. Dr. [illegible] may want it next season.

Bring all the luggage with you. If you pay extra luggage get a receipt. You will be allowed second class rates while going to Medicine Hat. Get ~~duplicate~~ receipts for all your purchases. Be sure and see if you cannot get a ticket cheaper to Winnipeg than just [illegible] to Medicine Hat. ~~[illegible] if it was~~

Should you work for me any time before you start east I will settle with you for it. I have told Dr. [illegible] that you would use your own money but he will allow interest if necessary. All our funds are exhausted and no [illegible] half [illegible] at Medicine Hat [illegible] Should you see any one at Medicine Hat [illegible] that had a light wagon and two horses you might hint [illegible]

Very Truly Yours
J. [illegible]

[illegible] enclosed papers and send them back.

we need.

2

I instructed you to be on the ground by April 1st
is without waiting for another letter come on in the
time mentioned. Your wages will be $54 per month
and your engagement last six months. I may not
again before you leave for the east but if you should
not hear from me I will advise you of the [illegible] that
leave the [illegible] with Mr. Cooper for the present. On
[illegible] [illegible] next season.

Bring all the baggage with you. If you pay
extra baggage get a receipt. You will be allowed [illegible]
[illegible] while going to Mackinac [illegible]. Get [illegible]
weight for all your [illegible]. Be sure and see if you
cannot get a ticket cheaper to [illegible] than you can
to Mackinac [illegible] [illegible]

Should you need [illegible] before you start
let me know [illegible] you for it. I have [illegible] that
that your [illegible] [illegible] with [illegible]
without [illegible] [illegible] [illegible] a half—
[illegible] to [illegible]. [illegible] one of Mackinac [illegible]
that [illegible] a [illegible] and [illegible] your [illegible] and

Yours truly
[illegible]

March 7th 4

Dear Captain Bendire

Your letter came this P.M. and I answer at once. Depend upon me doing my very best the coming summer in gathering notes on the life histories of the bird breeding in Alberta. I will have a man, at Medicine Hat where the C.P.R. crosses the Saskatchewan in Alberta, by April 1st. He is a first class collector and observer and is thoroughly reliable. I have had him for five seasons. I will be in the country before the last of May and will be in the field after ~~that~~ to the end of summer. How would it do to go to Rush Lake about the middle of May? Or could you from your knowledge pick out some other locality where ~~[illegible]~~ collecting could be done to greater advantage. I could send the man there as I am going to take three seasons for the work. I will make a specialty of bird-nesting during May and June.

You have struck Raine just right as far as I can see. I only spent one evening with him and looked over his book at the same time. I showed him his mis-takes

March 7th 84

Dear Captain Bendire

Your letter came this P.M. and I answer at once. Depend upon me during my stay lest the coming season in gathering notes on the life histories of the birds breeding in Alberta. I will have a man at Medicine Hat where the C.P.R. crosses the Saskatchewan in Alberta, by April 1st. He is a first class collector and observer and is thoroughly reliable. I have had him for five seasons. I will be in the country before the last of May and will be in the field after that to the end of summer. Now would it do to go to Rush Lake about the middle of May? Or could you from your knowledge point out some other locality ~~where~~ within collecting could be done to greater advantage. I could send the man there as I am going to take three seasons for the work. I will make a specialty of bird-nesting during May and June. [illegible] as far as [illegible] [illegible] [illegible] [illegible] [illegible] I have here. I only expect one [illegible]. I [illegible] [illegible] [illegible]

regarding a number of birds I know and I can say
his knowledge might be good when eggs were under
consideration but that he was very deficient in the know-
ledge of birds. I will take no stock in him as I am
quite sure your estimate of him is quite correct.

Now when you speak of it I remember taking
nests of what I took to be the Rusty Grackle at Morley near
the Rocky Mountains on the 13th June 1885. The nests
were in willow bushes by a pond. I can go to the same
place this year if necessary.

March 8th Since I wrote the above I have looked
over Raine's book and confess I propose verifying his
statements in some cases before I decide for or against
him. I would not however recommend his unconfirmed
statement as he speaks in many cases to my own know-
ledge without realizing what he says. One of these was
the occurrence of the Red-headed Woodpecker at Morley
year. I called his attention to this and he owned that his
red-headed woodpecker was the Hairy Woodpecker.
I am doubtful that he ever was at Banff although
he writes a chapter about it.

Very truly yours
John Macoun

Captain C. Bendire
Smithsonian Institution
Washington D.C.

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regarding a number of birds I know and I am sure his knowledge might be good where eggs are under consideration but that he was very deficient in the knowledge of birds. I will take no stock in him as I am quite sure your estimate of him is quite correct.

Now when you speak of it I remember talking [illegible] of what I took to be the Rusty Grackle at Hurley near the Rocky Mountains on the 13th June 1885. This might have been Brewer's Grackle [illegible] by a friend. "[illegible] to the same place this year [illegible] necessary."

March 8th Since I wrote the above I have looked over Davie's book and confess I prefer verifying his statements in some cases before I decide for or against him. I would not however accuse him of incompetence as he speaks in many cases to my own knowledge without verifying what he says. One of these was the occurrence of the Red-headed Woodpecker at [illegible] years. I called his attention to this and he owned that his Red-headed [illegible] was the Hairy Woodpecker [illegible] that he never [illegible] at [illegible] he wrote a [illegible] about it. Very truly yours

[illegible]

[illegible] C. [illegible]
Smithsonian Institution
Washington D.C.

List of Fungi and other Cryptogams determined by Prof. Macoun for St. Laurent College, Montreal March 8th 1894.

1 Nectria coccinea
2 Sticta pulmonaria (Lichen)
3 Pertusaria multipunctata (Crow Lichen)
4 Irpex sinuosus (Very common on dead wood)
5 Sticta amplissima } Lichens.
6 Parmelia caperata }
7 Hypoxylon fuscum
8 Schizophyllum commune
9 Hirneola auricula-judae
10 Polyporus pinicola
11 " applanatus
12 " salicinus
13 " adustus (resupinate form)
14 Daedalea unicolor
15 Lenzites sepiaria
16 Merulius tremellosus
17 Stereum ~~versicolor~~
18 " ~~striatum~~
19 Valsa
20 Polyporus biformis
21 " attenuata Pk.
22 Tremella mesenterica
23 Graphis scripta (Lichen)

My dear Sir

Besides the many scraps and duplicates there were in the box the above named species and these I return with my box. The Agaric is returned it seems to be a separately in paper. The Agaric is returned it seems to be a form of Agaricus ~~[illegible]~~ but of this I am by no means sure. Dr. Selwyn will forward this with his other lists.

Very sincerely yours
John Macoun

List of Fungi and other Cryptogams
determined by Prof. Macoun for St. Laurent
College, Montreal
[illegible] received March 8th 1896.

1 [illegible] (Lichen)
2 [illegible] (Over Lichen)
3 [illegible] (Very common on dead wood)
4 [illegible]
5 [illegible] } Lichens
6 [illegible]
7 [illegible]
8 [illegible]
9 [illegible]
10 " [illegible]
11 [illegible]
12 " [illegible]
13 " [illegible] ([illegible])
14 [illegible]
15 [illegible]
16 [illegible]
17 [illegible]
18 " [illegible]
19 [illegible]
20 [illegible]
21 " [illegible]
22 [illegible]
23 [illegible] (Lichen)

[illegible] the many insects and [illegible] there were in the box [illegible] the above named species and [illegible] [illegible] [illegible] [illegible]. The [illegible] is [illegible] [illegible] [illegible] [illegible] [illegible] of [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] this month [illegible] [illegible] [illegible].
[illegible]

Ottawa Mch 10th 4

Dear Mr. Babb

My father and I were very sorry to learn that you were again unwell and trust that before spring you will be able to return home. We would of course have liked to have your report on the willows as soon as possible but as we shall publish nothing this spring there is no real need of their being received just now so have them until you are going again. We begin this season an exploration on our three years [illegible]. My father will spend the summer western prairies. I shall go on our prairies south of Montana, to clean up areas & probably remain in the office [illegible] the North end of Vancouver Island I may go to [illegible]

Yours sincerely
Geo. M. Macoun

Ottawa Mch. 10th 4

Dear Mr. Coville

I send you to-day a packet of plants for your herbarium, most of them are common they have not before been sent you by me. Other packets will follow shortly. I also send you specimens of my father's Juncus collected last season in Van. Island. When you can spare the time will you be good enough to look over them and advise me of any changes you would make in my determination? to the specimens by numbers You need refer to Washington this only. I had hoped to get down to do so winter but fear I shall be unable

Yours Sincerely

Jas. M. Macoun

Mr. Fred. V. Coville
Botanist, Agric. Dept.
Washington DC.

Ottawa Nov. [illegible] 190[illegible]

Dear Mr. [illegible]

I [illegible] you to-day a packet [illegible]

[illegible]

[illegible] Other packets will follow shortly.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Yours sincerely

[illegible]

Mch. 11th 4

My Dear Holmes

Your letter has just been received and will be answered later. I write now to say that I shall send Carlisle(?) tomorrow a packet of plants I thought you might like to see them. We send plants to Harvard, Columbia, Washington, and Cal. Acad. and yet no decent return from [illegible] and yet [illegible] to have any of them but it is [illegible] in all the lower latitudes, [illegible] of our plants in [illegible] C. [illegible] and I shall send you [illegible] of C. [illegible] in my next packet to you, but C. [illegible] Don't be afraid to ask [illegible] best 10 of the best. My father thinks [illegible] at any time. [illegible] for what you want [illegible] good, as you [illegible] of some of Bailey's work. [illegible] the younger American Specialists(!) [illegible] really good work from the [illegible] done?

List of Mr. John[illegible] Macoun's N.C.
Plants Named March 9th 1884

1 Helotium citrinum, Fr.
6 Mitrula [illegible]
383 Phacidium [illegible] (on pods)
The big plant from the pool is Utricularia Americana or rather U. vulgaris var. Americana
(W) Hylocomium [illegible] (I have never found fruit)
95 Hypnum [illegible]
95a = the same as 95
420b = Webera [illegible]
420c = the same but the fruit is of a Bryum[illegible]
I This may be [illegible] but I am not sure as what you send is mixed and the fruit is A. [illegible].
V I take this species to be B. [illegible] I have the same form from [illegible]. It is very close to B. [illegible]
420 Philonotis [illegible] (Without doubt)
U. This is a poor specimen and is very likely B. [illegible] It is not B. [illegible] nor [illegible].
A I am in doubt this. This may be either an [illegible] or a [illegible].
[illegible] [illegible] Sept. 1883. This is [illegible] but mixed with other things. The [illegible] are there I [illegible] B. [illegible]

Ottawa March 9th

Since I wrote I found a few things which I return at least the writing. I will be here for some weeks yet at least so send anything that may need naming. I will send it to a specialist.

Very truly yours
John Macoun

Mr. [illegible] [illegible]
[illegible] [illegible]
[illegible] Co.
N.C.

List of [illegible] B.C.
Plants collected March 9th 1884

1 Bartramia [illegible]
1 [illegible]
110 Philonotis [illegible] (the fruit
is [illegible] plant from the [illegible]
[illegible]
[illegible] (I have never found fruit)
[illegible]
= the same as 96
[illegible]
= the same but the fruit is [illegible]
This may be [illegible] but I am not sure
[illegible]
I take this specimen to be [illegible] I have the same
[illegible]
[illegible] (without doubt)
This is a [illegible] and is very likely [illegible]
It is not [illegible]
I am in doubt [illegible]. This may be either [illegible]
or [illegible]
[illegible] 1888. This is [illegible]
[illegible]
[illegible]
[illegible] March 9th

Since I wrote I found a few things which [illegible]
at least the [illegible]. I [illegible]
yet at least [illegible] anything [illegible]
[illegible]. I [illegible]

Very truly yours
John Macoun

[illegible] Wilson
[illegible]
[illegible] B.C.

Ottawa [illegible] 1894 7

Dear Sir

Your letters of March 5 and Mch. 7th have been received and I thank you very much for the notes you have been good enough to send. It is very evident from the number of changes you have made in our determinations [illegible] many of our specimens were wrongly identified by Dr Vasey as the great majority of the specimens sent you were collected on Van. Island in 1887 and determined by Dr. Vasey and this year's specimens were compared with these. If you think you will find time to carefully examine all the [illegible] 1893 Specimens [illegible] nothing [illegible] that you [illegible] publish [illegible] [illegible] Should you desire further specimens of any of the [illegible]. [illegible] you either for yourself or any of [illegible] of the [illegible] sent you [illegible] be glad to send you [illegible]. I should also [illegible] about the 1891 Specimens sent to you. There is no hurry whatever about them as [illegible] but when you have critically examined them I shall send you my 1891–92 & glad to have your notes.

Yours sincerely
Jas. M. Macoun

[illegible] Washington, D.C.
Prof. F. Lamson Scribner

Ottawa Mch. 1915 [illegible]

Dear Sir

Your letter of 13 March with a copy of [illegible] was received to-day. I return the bill for [illegible] the latter herewith, please deduct the $2.00 from the [illegible] of the [illegible] lately sent you by my father. Many thanks for your corrections and determinations.

The specimens [illegible] [illegible] [illegible] and [illegible] [illegible] are the same as specimens [illegible] as named by Gray collected by my father on Vancouver Island in 1887. I am afraid he did not always examine the specimens as carefully as he might have done.

When you have time for further examination of the [illegible] I should like to know what specimens sent you and we would be glad to be advised from time to time of any changes you would suggest in our determinations.

Yours truly
Jas. M. Macoun

Prof. Edward L. Greene
Berkeley, Cal.

March 15th

Dear Mrs. Britton

I have been at home for a week so my correspondence had to stand over. Thank you very much for your letter of 14th inst. I had my doubts about L. Fowleri and so left it out. Now I am in doubt again. Is it possible that L. luteum and L. rubrum are one and the same? I thought that my specimen might turn out to be L. rubrum and so I send it again and ask you to destroy a part of it and satisfy yourself whether it be true luteum or not. I still think that the two species are one and the same. Fowler is now and has been for the last 13 years a Professor at Kingston Ont. It is not probable that he could get the plants again.

From the way Grimmia gracilis and [illegible] grow I am quite sure they are distinct (at least the western forms) from apocarpa. I was sure Huntley was wrong in naming the fruiting specimen of Leptobryum L. nitidum. I believe both fruiting and barren specimens are L. [illegible].

I send down all the specimens of Encalypta I have mounted. Please notice carefully the old ~~speci~~

March 15th

Dear Mrs. Britton

I have been out of town for a week so was compelled not to attend [illegible] now. Thank you very much for your letter of 11th inst. [illegible] my doubts about C. [illegible] as [illegible] it out. Now I am in doubt again. [illegible] that C. [illegible] and C. [illegible] are one and the same. I thought that my specimens might have [illegible] C. [illegible] and as I read it again and [illegible] to destroy a part of it and satisfy yourself [illegible] it be true [illegible] is not. [illegible] think that the two species are one and the same. [illegible] is now [illegible] has been for the last 15 years a Professor at [illegible]. It is not [illegible] that he could get the plants again from the very [illegible] [illegible] and [illegible] [illegible] [illegible] they are [illegible] [illegible] [illegible] (some [illegible]) [illegible] [illegible] [illegible] specimens of [illegible] [illegible] [illegible] and [illegible] [illegible] [illegible] [illegible] [illegible] C. [illegible]

I [illegible] [illegible] as the specimens of [illegible] [illegible] [illegible] [illegible]

I [illegible] [illegible]

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specimens of E. Macounii & delicquii, and E. [illegible] All these were named by Austin and as I sent duplicates to him you are likely find their mates among his material.

I have found a mounted specimen of O. [illegible] which I now send down with the others.

I have a card from Kindberg he says "the Orthotricha are not yet revised (he is revising them now) it needs a careful comparison of the European and North American specimens." He has revised [illegible] The only changes he makes are O. [illegible] = [illegible] O. [illegible] of my list = O. [illegible] Kindb. n. sp.

Wishing you every success in your work.

I remain very truly yours

J. [illegible] Macoun

Mrs. E. G. Britton
Columbia College
New York

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specimens of C. Macounii & [illegible] and [illegible]
All these were named by [illegible] and as [illegible]
then you will likely find these under [illegible]
[illegible]

I have found a [illegible] specimen of C. [illegible]
which I now send with the others.

I have a card from [illegible] he says "the [illegible]
[illegible] are not yet arrived (he is awaiting [illegible])
It made a perfect comparison of the European and
North American specimens." He has [illegible]
The only changes he makes are C. [illegible] = [illegible]
C. [illegible] of my list = C. [illegible] [illegible]

Wishing you every success in your work

I remain very truly yours

[illegible]

Mr. [illegible]

[illegible]

New York

[illegible] Mch 1918 9

Dear Dr. [illegible]

By to-day's mail I send [illegible] specimens of Eucalyptus [illegible] for Mrs. [illegible] my father [illegible] and in the same packet I send to you specimens of [illegible] which I should like [illegible]

I [illegible] of which [illegible] a description within 2 or 3 weeks [illegible] in April. I should publish it [illegible]

II. [illegible] of which [illegible] is a [illegible] specimen and I am not at all [illegible] P. S. D. [illegible]

III [illegible] but [illegible] this one before I think [illegible] it is [illegible] I feel quite certain that it is [illegible] to ask you for a [illegible] ~~[illegible]~~ [illegible] it [illegible] of this too?

IV Specimens of 2 [illegible] plants found by my [illegible] growing together in a ditch at [illegible] [illegible] to be [illegible]

P. S. [illegible]

[illegible]

Dear —!

We have no specimens of [illegible] in our [illegible]. The [illegible] collected by my father went to Kew [illegible]. I have [illegible] in Paris [illegible] collection. It was in 1878 [illegible]. If there is anything else we can send you do not fail to ask. A packet of [illegible] will go for what you want.

[illegible]

Yours truly
Geo. W. [illegible]

Dr. N. L. Britton
Columbia College
New York.

Ottawa Feb. 18th [illegible]

Dear Sir

I send you by mail to-day a packet of plants among which you will find I think some good things. When you have had time to look over them we shall be [illegible] if a great favour if you will advise us of any changes you would make in our determinations. Of the 1893 plants we would especially like your opinion on those included in the enclosed list which might be returned. Other packets will follow later.

Yours truly

Jas. M. Macoun

B. Robinson

Cambridge, Mass.

Ottawa Mch. 21st 4

Dear Sir

I have just got out for you our
specimens of the Alsineae, they will go to you by express
tomorrow. If you will take the trouble to do so we
shall esteem it a great favour if you will mark on
the sheets any changes you would make in our determinations
not change in synonymy for then we can do later numbers
when your revision is published. On a few of the sheets
are notes suggested by Dr. Watson, Dr. Britton and others,
one note suggested by me in Behring
I send you two plants collected by me in fact my whole collection
there in 1891. I took them in order to work
to Washington with me two years ago in order to work
them over with Holm intending then to go with them
to Cambridge but though 10 weeks in Washington had
no time for botanical work and was sent from there
to Behring Sea again. I left the plants with Holm
and the notes on the sheets are his. I have a
large lot of duplicates of my 1891 and 1892 collections

Ottawa Mch. 21st

Dear Sir

I have just got out for you some specimens of the [illegible], they will go to you by express tomorrow. [illegible] you will take the trouble to do so [illegible] it a good [illegible] if you will [illegible] the [illegible] any changes you would make in the determinations and changes in arrangement for the [illegible] we can do [illegible] when you mention a [illegible]. On a few of the sheets are notes suggested by Dr. [illegible], Dr. [illegible] and others.

I sent you the plants collected by me in [illegible] in 1891. I [illegible] — we found our whole collection — [illegible] [illegible] [illegible] [illegible] [illegible] I [illegible] the [illegible] with [illegible] [illegible]. I [illegible] [illegible] the [illegible] [illegible] in 1891 and 1892 [illegible] [illegible] [illegible] in 1891 [illegible]

out of which were got to Harvard but I have had
no time to touch the 1892 plants yet and have done
no work on the others since two years ago this month.
I shall not go to the field this season and hope
within a year to catch up with back work.

I send you also a Lupinus and an Opuntia
will you kindly determine these and return them
with the other specimens?

I shall perhaps go down to Cambridge this summer
to work up some of our difficult things and if so
would be glad to talk with you anything you would like to
see.

Yours truly

Jas. M. Macoun

Dr. Benj. L. Robinson
Harvard Herbarium
Cambridge

March 27th 4

Dear Dr. Underwood

Some time since I received your letter of a late date containing the names of the last collection of Hepaticae I sent you. For these names accept my thanks. I now send another lot ranging from 104 to 153. A number of these have been sent before under other numbers. I also send a specimen each of those forms you expressed a doubt about. Besides these I send the lot of Lejeunea Macounii, in fact all I have except a mounted specimen.

During the winter I have prepared a number of Mosses and Lichens and take advantage of this sending to forward your set. There are 70 Mosses and 60 Lichens which bring the one series up to 670 and the other to 180. Nos. 178, 179 & 180 are yet without tickets but will be sent down shortly.

I send also a specimen of Isoetes which grew in a lake (completely submerged) on Vancouver Island.

Some time since I sent a series of numbers ranging from 400 – 451 or more and I can find no trace

March 27th

Dear Dr. Underwood

Some time since I received your letter of a late date containing the names of the last collection of Hepaticae I sent you. For these names accept my thanks. I now send another lot comprising from 104 to 153. A number of these have been sent before under other numbers. I also send a specimen each of the four you expressed a doubt about. Besides these I send the lot of Lejeunea Macounii, in fact all I have except a mounted specimen.

During the winter I have prepared a number of Mosses and Lichens and take advantage of this sending to forward your set. There are 70 Mosses and 80 Lichens which bring the one series up to 670 and the other to 180. Nos. 176, 177 & 180 except without tickets but will be sent them shortly.

I send also a specimen of Isoetes which grew in a lake completely submerged on Vancouver Island.

Some time since I sent a series of Mosses comprising from 600 — 651 or more and I have paid no attention

of their names. You have doubtless sent their names
but I have mislaid the list or never received it.
You will notice I send part of them back with the
parcel. A number of them are common forms so
that it may be you have overlooked the parcel.

Please let me hear from you if possible
next month as I am going west again about the
first of May.

Very sincerely yours
John Macoun

Dr. L. M. Underwood
Greencastle
Indiana

of their name. You have ... that name
Yet I have mislaid the list or never received it.
Your nice ... I read part of them but with the
... a number of them are ... as
that it may be you have concluded the ...
... Please let me hear from you by ...
next month as I am going east again about the
first of May.
Very sincerely yours
[illegible]

Co. L. M. [illegible]
Greencastle
Indiana

March 29th 4

My dear Sir,

Your letter and the Catalogue came in due time with the enclosed dollar. I am glad you sent the Catalogue as it will be useful to me in many ways. Cary is no worse than the rest of the Americans. They all claim more than they own and say more than they know.

I give you the same advice again carefully examine every place in the vicinity especially the bogs, springs [illegible] and ravines of rocks. Keep a record of all localities and be sure and preserve specimens of everything you get. When your Catalogue is in fact complete by the [illegible] let me see it and I will touch it so that even your friend Paulus can say nothing against it.

Tell Mr. [illegible] that as soon as I get another supply of [illegible] I will send him one for a certainty. I give [illegible] about the [illegible]. I am glad you had such a fine visit home and found them all enjoying themselves. My youngest son was in Ireland & told [illegible] that [illegible] man and [illegible] had a good time

[illegible]
[illegible]

March 29th

My dear Sir

Your letter and the Catalogue came in due time and the enclosed letter. I am glad you sent the Catalogue as it will be useful to me in many ways. [illegible]

[illegible]

W. M. [illegible]

I have looked over the list and do not remember having seen the following among your plants.

1 Anemone parviflora
2 Anemone ludoviciana
Thalictrum Cornuti = T. polygamum
Arabis Drummondii = A. confinis
3 Helianthemum corymbosum
Viola sylvatica = V. canina v. Muhlenbergii
4 Polygala ambigua
5 Ilex mucronata
Vitis cordifolia = V. aestivalis
Lappa officinalis = Arctium Lappa
6 Gaylussacia dumosa
Lysimachia ciliata = Steironema ciliatum
Lysimachia longifolia = S. longifolium
7 Gentiana crinita var [illegible] = G. [illegible]
8 Linaria Canadensis
9 Lechea [illegible]
10 Betula nigra
11 Juncus [illegible]
12 Carex [illegible] but I do not remember seeing
these (12) mentioned. They may be there but I do not [illegible]. I believe they do not [illegible].
Very truly, John [illegible]

I have looked over the list and do not remember
having seen the following among your plants.

1 [illegible] [illegible]
2 [illegible] [illegible]
[illegible] [illegible] = [illegible] [illegible]
[illegible] [illegible] = [illegible] [illegible]
3 [illegible] [illegible]
[illegible] [illegible] = [illegible] [illegible]
4 [illegible] [illegible]
5 [illegible] [illegible]
[illegible] [illegible] = [illegible] [illegible]
[illegible] [illegible] = [illegible] [illegible]
6 [illegible] [illegible]
[illegible] [illegible] = [illegible] [illegible]
[illegible] [illegible] = [illegible] [illegible]
7 [illegible] [illegible] [illegible] = [illegible] [illegible]
8 [illegible] [illegible]
9 [illegible] [illegible]
10 [illegible] [illegible]
11 [illegible] [illegible]
12 [illegible] [illegible] [illegible] I do not remember seeing
these may be the last [illegible] [illegible] [illegible]
these (12) [illegible] [illegible] [illegible] [illegible]

March 27th 9

Dear Dr. Newcombe

Your letter came a few days since and I gave your note to Mr. Terrill. He tells me his list of Mammals was on sale in the Library, and I send you a copy. I do not consider it of much value as he had no personal knowledge when he wrote but such as it is you will have it.

I have not unpacked all the west coast things yet so cannot say what the alga from Clayoquot Sound is yet. I am getting a cabinet made for the shells.

I am glad Mr. Taylor is getting along so well with the shells. Before you receive this Spreadborough will have left for the prairies. I am going to have him with me in Alberta this summer. I am going to study Mammals and birds particularly this season. I have many irons in the fire, and must keep them all going. We want more observation in the field and less writing without it. Harvey is not steady enough for a valuable collector, neither does make much progress in a straight line.

Very sincerely yours
John Macoun

Dr. C. F. Newcombe
Victoria B.C.

Dear Dr. Newcombe March 27th [illegible]

Your letter came a few days since and I gave your note to Mr. [illegible]. He told me his list of Manuscripts was on sale in the library and I send you a copy. I do not consider it of much value as he had no personal knowledge when he wrote but such as it is you must have it.

I have not unpacked all the [illegible] things yet so cannot say what the size of your [illegible] is yet. I am getting a cabinet made for the [illegible].

I am glad Mr. Taylor is getting along so well with the [illegible]. Before you receive this [illegible] he will have left for the [illegible]. I am going to have him with me in [illegible] this summer. I am going to study Manuscripts and [illegible] particularly the [illegible]. I have many since in the [illegible] and must [illegible] them all going. He must make observations in the field and [illegible] nothing without it. Money is not plenty enough for a valuable collection [illegible] nor would much progress in a [illegible].

Very sincerely yours
[illegible]

Rev. C. F. Newcombe
Victoria B.C.

Ottawa Mch. 28th 9

Dear Mr. Coville

Very many thanks for your prompt determination of our Juncaceae. There are one or two things I wish to ask you about before distributing our specimens.

Specimens collected by my father in 1887 at [illegible] Lake, B.C. and named by him J. falcatus var. paniculatus were changed by you to J. obtusatus Engelm. and your note on [illegible] J. falcatus var. paniculatus is written on sheet "Engelmann's J. falcatus var. paniculatus [illegible] J. obtusatus", the specimens sent this year nos. 501-502 [illegible] should they be changed to [illegible] just like the 1887 plant [illegible] to J. falcatus paniculatus?
J. obtusatus or the 1887 plant to J. falcatus paniculatus?

J. tenuis [illegible] 506-507-508 of this year named by you J. tenuis [illegible] to which you [illegible] the same as [illegible] J. [illegible] collected in 1887. Does this change [illegible] J. tenuis from Cedar Hill, [illegible] their name?

Can I trouble you to ask Mr. Rose whether [illegible] O. ambigua Macounii var. ambigua was described? It was [illegible] when published I think.

Yours sincerely
J. M. Macoun

March 27th

My dear Sir

The other day I had the pleasure of receiving a few papers from the Department of Zoology of Indiana University and I find by them that you are making things hop around there now. I am glad of this as I believe that this is the age for young men to do good work. Since you saw me I have been going on in my usual way collecting specimens of all kinds. Last year I was on the Pacific coast and collected a number of small fish of various kinds and other years I have done the same in various places so that now I have numerous species of the little fellows. I have been intending to send them to Dr. Bean but have had so much to do that I have never done so. The coming summer I am going out to Alberta at the eastern base of the Rocky Mountains and will be on the northern branches of Milk River and purpose collecting all the fish found in these streams.

If it would be in your line to examine the small fish I have I would get them separated and send them down to you and later we would make an arrangement by which I would work up the same

March 27th

My dear Sir

The other day I had the pleasure of receiving a few profiles from the Department of Zoology of Stanford University and I find by them that you are considering things [illegible] their career. I am glad of this as I believe that this is the age for young men to begin work. Since you saw me I have been going on in my usual way collecting specimens of all kinds. Last year I was on the Pacific Coast and collected a number of small fish of various kinds and other years I have done the same in [illegible] so that now I have numerous specimens of the little fellows. I have been intending to send them to Dr. Bean but have had the [illegible] that I have many here in The [illegible]. I am going out to collect at the eastern base of the Rocky Mountains and will be in the northern branches of the [illegible] Rivers and perhaps will collect all the fish found in their streams.

If it would be in your line to examine the small fish I have I would get them together and send them down to you and later on we could make arrangements for which I would [illegible]

2

fish of the region north of Lat. 49°. I would do the collecting and you would do the naming of at least the difficult ones.

I am nearly through with the botany and the birds and I now want to work up the fish.

Please remember me kindly to Mrs. Eigenmann and say that I am delighted to learn of your success and that I wish you both many years of good health, great success in your work and happiness together.

Very truly yours

John Macoun

Dr. C. H. Eigenmann
Indiana University

fish of the regions north of Lat. 15°. I would like collecting and you would do the naming of at least the different ones.

I am nearly through with the lettering and the third book. I am about to work up the fish.

Please remember me kindly to Mrs. Eigenmann and say that I am delighted to hear of your success and that I wish you both many years of good health, great success in your work and happiness together.

Very truly yours
Ethel Mason

Dr. C. H. Eigenmann
Indiana University

March 25th 4

Dear Sir

Your note came yesterday and in answer I may say that I am glad you have sent your name to the society whether the Society will do you any good is another question. I send you the general Secretary's report for last year and you will see by it the kind of work the society does. Within the Report you will find a list of names and Mr. William Scott and James White Jr who are mentioned there are personal friends and will assist you all they can.

I am at your service at any time for advice or assistance in the determination of plants so between us we may help you in any botanical line you may choose.

I will forward your subscription to Mr McKay and you will get all circulars and other publications direct.

Very truly yours
John Macoun

Mr. John G. Wilson
427½ Yonge St
Toronto

March 29th 11

Dear Sir

Yours of the [illegible] came yesterday and in answer I may say that I am glad [illegible] you have sent your name to the society [illegible] Society will do you any good in another direction. I send you the annual treasurer's report for last year and you will see by it the kind of work the society does. Within the report you will find a list of names and Mr. Watkins Scott and James White [illegible] are mentioned there as personal friends and will assist you as they can.

I am at your service at any time for advice or assistance in the determination of plants or others so we may help you in any Botanical line you may choose.

I will forward your subscription to the [illegible] and you will get all circulars and other publications.

Very truly yours
John Macoun

Mr. Edward B. Wilson
[illegible]

March 29th 4

My dear Mr. Gerard.

Your note of the 25th inst. reached me in due time. In answer to it I may say that the two Hepaticas are common in all the maple forests of Ontario. In some localities one is found in greater profusion than the other and in many one is found to the exclusion of the other but no five-lobed-leaved form has ever been seen by me. I have seen where the specimen was very luxuriant leaves with three lobes, others with four lobes and in one case one with five lobes on the same rhizome but to me who have collected all our plants under all circumstances this had no significance. The gentleman or lady who wrote the note you enclose had some such clump in view as I mention. As far as I am aware no Hepaticas are cultivated in Canada.

Tell your friend to write to John Goldie of Guelph Ont. and if any man in the country can give him the desired information he can. His father was the Goldie after whom many plants were named.

March 29th [illegible]

My dear Mr. [illegible].

Your note of the 22nd inst. reached me in due time. In answer to it I may say that the two Hepaticas are common in all the western parts of Ontario. In some localities one is found in greater profusion than the other and in many one is found to the exclusion of the other but no [illegible] forms have ever been seen by me. I have seen where the specimens were very luxuriant some with three lobes, others with five lobes and in no case one with five lobes on the same [illegible] but [illegible] have collected all our plants under all circumstances [illegible] no significance. The gentleman or lady who wrote the note you enclose had some such change in view as I mention. As far as I am aware no Hepaticas are cultivated in Canada.

But your friend to write to Father [illegible] of Guelph Ont. and if any man in the country can give him the desired information he can. This father was the [illegible] after [illegible] many plants [illegible] [illegible]

2

Goldie cultivates our native plants and is a Scotchman to boot and your friend or yourself may get valuable information from him. He may refer you to me but you know it is no use.

Should you have an opportunity to see *Science* for next week you may see a note, from my son on *Nymphaea odorata* the *minor*, that may interest you.

Very truly yours
John Macoun

Mr. John M. Gerard
Elizabeth
N. J.

Gould's catalogue on [illegible] plants and is
a [illegible] to [illegible] and your friend
to yourself, may get valuable information
from him. He may refer you to one before
it is in use.

Should you have an opportunity to the
[illegible] the next week you may see a mill,
you may see the Hydroplane [illegible] the [illegible]
that may interest you.

Very truly yours
Alfred [illegible]

Mr. John M. [illegible]
[illegible]
N. J.

March 30th 4

Dear Prof. Sheldon,

Some time last year you wrote about getting some of our Astragali and I forget now what I said about them as I left shortly after for the east. My son is now here and we have obtained more assistance so that now we can let you have what you want at once. Last evening I received Bulletin No 1 and am very much pleased with it. Your article on Astragali brought to my remembrance what you wrote about last year and the other on the Synonymy of Juncoides. I am sending a parcel today to Prof. MacMillan and within it I place a few specimens of Juncoides and if you wish can send you a complete and very full series of the species of the Genus from all parts of British America. I am going to the prairie for the summer this year and hope to collect a good series of Astragali which I will send you. I will get more specimens of the rare Sagittarias.

Very sincerely yours
John Macoun

Prof. E. P. Sheldon
Minneapolis
Minn.

March 29th

Dear Prof. Fernald

Some time last year you wrote about getting some of our Lepidoptera and I forget now what I said about them as I left shortly after for the north. My idea is now that as we have attained more excellence in that matter we can let you have what you want at once. Last evening I received Bulletin No 1 and was very much pleased with it. Your article on [illegible] brought to my remembrance what you and [illegible] said last year and the notes on the [illegible] of [illegible]. I am sending a parcel today to Prof. [illegible] and within it I place a few specimens of [illegible] and if you wish can send you a complete and large series of the species of the [illegible] from [illegible]. I am going to the Prairie for the summer this year and hope to secure a good series of [illegible] which I will send you. I will get more specimens of the new [illegible].

Very sincerely yours
John Macoun

Prof. C. H. Fernald
Orono
Maine.

March 29th.

Dear Dr. Merriam,

The time is approaching when I must get ready for my western trip, and it is necessary that I should have my mammal skins back again so I write to ask you to send them back as soon as possible even if I should return them to you next autumn. You will understand how it is with me so I need say nothing further regarding the matter.

My man will be at work at Medicine Hat on April first and I would like a few hints from you on the best methods of catching little mammals. He can take anything that will enter a "cyclone trap" but I want to take all kinds.

Should you not be able to attend to the mammals this spring please send them back during the next two weeks as Dr. Selwyn proposes to have them in our Museum during the summer.

Very truly yours

John Macoun

March 4th

Dear Dr. [illegible]

The time is approaching when I must get ready for my western trip and it is necessary that I should have my instruments [illegible] back again as I want to ask you to send them back as soon as possible even if I should return them to you next autumn. [illegible] [illegible] [illegible] me as I want nothing further regarding the matter.

My [illegible] will be at work at [illegible] [illegible] and I would like a few [illegible] from you on the best method of catching little [illegible]. We can take anything that will enter a [illegible] but I [illegible] to take all kinds.

Should you not be able to [illegible] the [illegible] the spring [illegible] [illegible] back during the [illegible] [illegible] [illegible] Dr. [illegible] [illegible] [illegible] [illegible] [illegible] during the summer.

Very truly yours

[illegible]

March 30th

Prof. C. MacMillan

Dear Sir

I beg to acknowledge the receipt of Bulletin No. 9 – Minnesota Botanical Studies and thank you very much for the same. I have written Prof. Sheldon regarding his articles on Astragali and [illegible] and should he desire it he can have our mounted series of these genera should he want them. At any rate we can send many duplicate ones of the latter genus. I send a few in the parcel now addressed to you.

By this mail I send to your address a parcel containing 80 Canadian Lichens and 70 Canadian Mosses making in all 150 species. This brings one series up to 650 and the other up to 180. Did I send you any Fungi last year? I have so much on hand that I forget what I do from year to year. I have been working all winter on a catalogue of Canadian birds.

Very sincerely yours

John Macoun

March 30th [illegible]

Prof. [illegible] MacMillan

Dear Sir

I beg to acknowledge the receipt of Bulletin No 9 – Minnesota Botanical Studies and thank you very much for the same. I have written Prof. Holzinger regarding his article on [illegible] and forwarded [illegible] should he desire it he can have an unmounted series of [illegible] about [illegible]. If any [illegible] as we have many duplicate [illegible] of the latter [illegible]. I send a [illegible] in the future more attention to you.

By this mail I send to your address a parcel containing 80 Canadian Lichens and 72 Canadian [illegible] making [illegible] in all 152 specimens. The [illegible] are [illegible] up [illegible] and the other up to [illegible]. [illegible] I send you any [illegible] last year? I have [illegible] much [illegible] I have been working all winter on a catalogue of Canadian birds.

Very sincerely yours
John Macoun

April 2nd [illegible]

Dear Mr. Demetrio—

I send [illegible] another lot of Cryptogams which I hope will please you. There are 70 species or varieties of Mosses and 80 [illegible] 150 specimens. The bill for which is [illegible]

along with [illegible] [illegible] [illegible] [illegible]. I have many more duplicates but am too busy to [illegible].

[illegible] writing up our birds and in a month will take the field again. This time at the eastern base of the Rocky Mountains, where I hope to [illegible].

[illegible]

[illegible]

Rev. C. H. Demetrio
[illegible] Mo.

March 31st

Dear Dr. Stejneger

Your letter of the 29th inst. came this morning and without, at this time, casting any doubt on your opinions regarding the snakes beg to acknowledge your very interesting letter and to say that on Monday I will get out another series of Reptiles collected since I sent the others and send them to you for determination.

It is more than probable that you are correct as to that collected such snakes as you mention in the Rocky Mountains in 1885 and small ones on Vancouver Island in 1887. However when I send the other material I will tell you what I have found out about the snakes. I fully believe knowing that I am wrong and you are correct in thinking the snakes came from the west.

Very truly yours
John Macoun

P.S. It is just possible that I wrote Prince Edward Island in G. of L. for Salt Spring Island in Gulf Georgia
J.M.

March 31st

Dear Mr. [illegible]

Your letter of the 29th inst. came this morning and [illegible], at this time, settling any doubt in your decision regarding the samples [illegible] to acknowledge your very interesting letter and to say that on Monday I will get out another piece of [illegible] since I sent the other out and them to you for determination.

It is more than probable that you are correct in [illegible] that [illegible] as your [illegible] in the [illegible] Mountains in 1885 and [illegible] on Vancouver Island in 1892. However when I send the other [illegible] I will let you [illegible] found out about the samples. I [illegible] that it [illegible] and you are correct in thinking the samples came from the [illegible].

Very truly yours,

[illegible]

P.S. It is good [illegible] that [illegible] Prince Edward Island in [illegible] [illegible]

April 3rd

My dear Madam

Your letter and the specimens came this morning and I thank you very much for your kind wishes and invitation to visit you at Quebec. I will not forget either of them and should I be in Quebec at any time even for a few hours I will call upon you. My son will very likely be there in July or August and he will avail himself of your son's knowledge to show him where he can collect to advantage. My son knows nearly all the flowering plants in the country and will assist both you and your son in any difficulties you may have.

It was a pity you did not take up botany earlier as Metis is a very excellent locality for northern plants.

The Solidago you sent is an very poor specimen of S. nemoralis. The single-headed Erigeron is [illegible]. The white many-headed one is E. [illegible] v. [illegible]. The ferruginous headed one is E. Virginicum.

Very truly yours
John Macoun

Mrs. A. M. Brodie
45 D'Aiguillon St.
Quebec

April 8th

My dear Graham

Your letter and the specimens came this morning and I thank you very much for your kind wishes and invitation to visit you at Dundee. I will not forget either of these and should I be in Dundee at any time even for a few hours I will call upon you. My son will very likely be down in July or August and he will [illegible] himself of your [illegible] knowledge to show him where he can collect to advantage. My son knows nearly all the flowering plants in the country and will assist both you and your son in any difficulties you may have.

It was a pity you did not take up botany instead as Moths is a very [illegible] study for [illegible] plants.

The Lathyrus you sent is [illegible] of L. [illegible]. The single-headed Eriophorum is vaginatum. The white many-headed one is E. latifolium & angustifolium. The [illegible] headed one is E. [illegible].

Yours truly
[illegible]

[illegible]
[illegible]
[illegible]

April 5th [illegible]

Reverend and Dear Sir,

Your note of March [illegible] came in due time and gave me much [illegible]. I am very glad your [illegible] [illegible] and [illegible] pleased to learn that we [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] in the future.

The [illegible] specimens [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] the other specimens [illegible] [illegible].

[illegible]

[illegible]

Rev. J. [illegible]

[illegible]

April 3rd

Dear Mr. Rhoads

What you said in your last letter has come true. None of the skins have been returned here yet. I wrote Mr. Messiter on Saturday asking him to return the skins at once named or unnamed as we wanted to have them here before I leave for the field. I leave here about May 1st for Alberta. I am going to try you next summer and will send you a sample skin of every small mammal we collect so that you can advise me of its value and rarity. You can then the skins to the customer. I have a man at work now at Medicine Hat whose business it is to look after birds and small mammals.

The only information Mr. Messiter gave me was that I had five skins of the Brown Pocket Mouse taken at Indian Head. Mr. [illegible] obtained the same species near Pembina 20 years ago.

Very truly yours
John Macoun

Mr. S. N. Rhoads
Academy of N. Sciences
Philadelphia

Did Mr. [illegible] publish any other notes on the birds [illegible] than those he sent you (Coues?)
J. M.

April 23

Dear Mr Edwards

What you said in your last letter has come true. Some of the articles have been [illegible] here yet.

I wrote the Harrisons on Saturday asking them to inform me at once if [illegible] as we wanted to have them here [illegible] I saw [illegible] about May 1st Mrs. Edwards. I am going to try [illegible] and ask you to [illegible] a sample [illegible] of any [illegible] to [illegible] you [illegible] one of the [illegible] and [illegible]. For [illegible] the [illegible] I have a [illegible] at [illegible] [illegible] [illegible] [illegible] and [illegible].

The only information [illegible] have [illegible] was that [illegible] of the [illegible] about [illegible] at [illegible]. [illegible] [illegible] [illegible]

Very truly yours
John [illegible]

W. H. Edwards
[illegible]
Philadelphia

April 8th 4

Dear Mr. Taylor

I write you a line to merely say I am alive and at work. Your letter of March 5th was received in due course and another since then from Dr. Newcombe. I am glad to learn from him and yourself that you are preparing a paper on the [illegible] chitons. I have had a cabinet built for my chitons and eggs and have told Dr. [illegible] and Dr. Ami that Mr. Whiteaves was not have any more of my collections until he shows some energy in naming them and putting them in order.

I have had a copy of the R.C. Bulletin. I told William to leave the dredge in your charge. I expect that by this time he is at Medicine Hat and [illegible] I hope to be in a few weeks. I am going to collect there in any [illegible] I hope to have a good time fresh and of all forms so that I [illegible] when my [illegible] work is over. I have arranged for the [illegible] seasons on the prairie and hope to make extensive notes on each section of Natural History.

Very truly yours
John Macoun

Rev. G. W. Taylor
Victoria

April 3d

Dear Mr. Taylor

I write you a line to [illegible]

and at work. Your letter of March [illegible] received

in due course and [illegible]

I am glad to hear [illegible]

[illegible]

had a [illegible]

for the [illegible] Mr. [illegible]

not have any [illegible]

[illegible]

[illegible]

I have had a copy of the [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] Very truly yours

[illegible]

[illegible] Taylor

[illegible]

April 3rd

Dear Mrs. Britton

Please find enclosed in this the missing tickets for the Lichens and Mosses I sent down some time since.

Your letter of March 26th came in due time and noting the extract from Dr. [illegible]'s letter. I certainly agree with him in his estimate of Kindberg I know he makes too many species but he worked and gave a basis for the work of others. Had he not taken up my mosses which have been unknown quantities as it is he has set many things to rights.

In giving the localities of my mosses I always commenced at the east and worked up at the west [illegible] this because I wished the range to be easily seen. I had no reference to type localities.

Your specimens of No 183 from Wellington Mine are the ones I selected for the true Macounii. Kindberg examined nearly all my specimens of S. ciliata and pronounced them all Macounii. Remember, it was he that named the specimens from Wellington Mine and indeed as far as I can remember now he examined them all so that is why no specimens appear under S. ciliata.

2

I expect you to make many changes in Encalypta as I think I have too many species. You have all of the species that Austin named and all that Lindberg named and as they are in a fairly good state they will perhaps give you a good idea of the species. I am after no species as I have no time to do microscopic work.

Should I ever get as far as New York a very short time would elapse before I would announce myself at the College. I consider yourself and Dr Britton as two of my best friends and would not omit visiting you on any account. I may be in New York in the autumn.

In four weeks I leave for the field but anything you may want from here my son will send to you. I hope you have found plenty of work on my specimens of Encalypta. No further news from Europe.

Very truly yours

John Macoun

Mrs. E. G. Britton
Columbia College
New York.

I expect you to make many changes in the paragraphs as
I think I have too many opinions. You have all of the opinions
that [illegible] cannot deal at all [illegible] cannot deal
as they are in a fairly good state. My main paragraphs
give you a good idea of the opinions. I have left no opinion
as I have no idea of the manuscript work.

Should I see you at the New York [illegible] on my return
[illegible] night before I would announce my subject
the Bridge. I consider yourself and Dr. Carlisle as the
of my best friends and would not write anything for
an easy occasion. I may be in New York in the
afternoon.

In your words I have for the [illegible] but my [illegible]
you may read your [illegible] have my own and [illegible]
I hope you have found plenty of work on my [illegible]
[illegible] of Economics. The [illegible] and your family.

Very truly yours
James [illegible]

To [illegible] Carlisle
Columbia College
New York.

[illegible] 3rd April [illegible]

Dear Sir

Your letter of March 20th was duly received and the packets of plants came a few days afterwards. They are a very valuable contribution to our herbarium and we are very grateful to you for sending them. We received from Kew some years ago a set of the ferns of Jamaica but they do not compare at all favourably with those you have sent.

Keep the [illegible] until your paper is finished. If you would take the trouble to do so we would consider it a great [illegible] if you will mark on the sheet any change you may favour. You will I know find much confusion there with [illegible]. You will I know find much confusion [illegible] [illegible] the specimens were all examined by [illegible] [illegible] either Dr. Watson or Dr. Gray. If you will make the corrections [illegible] these specimens our types and we shall in future consider these specimens [illegible] be able to determine future collections with the help of your paper ourselves.

For [illegible] years my father and I have been bringing home collections which we have never had time to work up ourselves and have had to depend on others for determinations. Many of these [illegible] and I sometimes feel quite disheartened [illegible] carefully made and [illegible]

when I stated an unusual number of names. We do not expect that when plants are distributed that they will be carefully examined and we be notified of errors in naming but when specimens are sent for the express purpose of being named it is discouraging to find how carelessly it is sometimes done.

Before you return our mounted sheets I shall send you a few more on which we would like your opinion. Our herbarium sheets are at all times at your disposal [illegible] you wish to see, [illegible] and you have only to ask for them.

My father and I live at different ends of the city and both work at home so that we [illegible] as far as possible. Could you send me a copy of your monographs and revisions of Lychnis and Silene?

Yours sincerely
Jas. M. Macoun.

Ottawa 11th April 4.

Dear Sir

I return you herewith the proof of my paper. Will you kindly have the names of species changed from italics to capitals and spaced a little wider as in the paper I send you. I have changed the cover of this paper to suit mine. Dr. Selwyn has consented to take 200 copies of this and subsequent papers of Prof. Macoun and myself but wishes me to say that the bill will not be paid until the Survey receives its next grant — in May or June. We are just now greatly out of funds.

Yours Truly

Jas. M. Macoun

Nevil Norton Evans Esq.
McGill University
Montreal.

I have made a single copy of title for the cover.
Please return [illegible] papers.

4 Cladonia rangiferina, Hoffm.
Ramalina reticulata, Krem.
(some large specimens)
Sticta pulmonaria, Ach.
Evernia prunastri, Ach.
Peltigera aphthosa, Hoffm.
Sticta anthraspis, Ach.
Cetraria glauca, Ach.
Parmelia physodes var. enteromorpha, Tuck.
Parmelia saxatilis, Fr.
[illegible] Nuttallii
Eschscholtzia californica
Selaginella rupestris var.
Dicranum scoparium var. orthophyllum
Mnium Menziesii
Stereocaulon coralloides, Fr.
Cladonia furcata var. subulata, Fr.
Cladonia bellidiflora, Schaer.
Cladonia gracilis var. hybrida, Schaer.

Pentarania multifurcata, Ugl.
~~Juniperus virginiana~~ juniperus
Polytrichum juniperinum
Sisyrinchium grandiflorum
Ranunculus occidentalis (Nuttall)
Dodecatheon Hendersonii
var. spinosus
Erythronium albiflorum
Senecio vulgaris
Valerianella congesta
27 Erythronium Oregonum

April 4th 4

My dear Sir

The specimens and your letter came today. I return the list of names. You omitted no 31. Always send characteristic specimens as you send only small pieces Nos. 21, 3, & 22 were poor and hence are doubtful.

I am glad to learn that you are getting along so well, and wish you every success with your club.

Lesq. & James Mosses of North America will give you descriptions of all Mosses you will find except perhaps my new ones which you will find described in my Catalogue Part VI.

I do not know Campbell's Botany. There is no single book can help you with western botany. The Botany of California comes the nearest but does not describe them all. I will not leave for three weeks yet. You can address me at Medicine Hat until I give you another address. Pay all letters and packages sent anywhere except here. Very truly yours

John Macoun

E. J. Pineo B. A.

Victoria B. C.

April 6th 4

My Dear Sir

The specimens and your letter came today. I return the list of names. You omitted no. 31. Always send characteristic specimens as you sent only several pieces. No. 21, 3, & 22 were poor and have no fruit. I am glad to learn that you are getting along so well, and wish you every success with your club. Gray's Genera of North-American will give you descriptions of all Mosses you will find except perhaps very new ones which you will find described in my Catalogue Part VI. There is no right book. I don't know Campbell's Botany. The Botany of can help you with northern botany, but does not describe Californian Mosses the nearest them all. I will not leave for three weeks yet. You can address me at Medicine Hat until I give you another address. Pay at letter and package send anything on until then.

Very truly yours
John Macoun

J. Prince B. C.

April 4th 4

My dear Sir

Your letter came in due time but I was absent from the office for a day or two. I have forwarded the application to the Minister of Agriculture with a strong endorsation and think there is no doubt but that you will get the Permit.

I have made three attempts to find out who gives out permits for the North West but the latest Mr. Daly Minister of Interior has not answered yet. As soon as I learn who is the proper authority I will let you know.

I have now written in about one third of your list and find it very valuable. I write in your notes immediately after Mr. Fannin's.

Thanks for the notes on the Ontario birds. During the coming summer I will be in Alberta and camped part of the time on the line of the C. P. R. If you pass Rush Lake after the beginning of May look out for me.

Very truly yours
John Macoun

Mr. Allan Brooks
Mount Forest, Ont.

April 4 [illegible]

My dear Sir

Your letter came in due time but I was absent from the office for a day or two. I have forwarded the application to the Minister of Agriculture with a strong recommendation and think there is no doubt but that you will get the Permit.

I have made three attempts to find out who gives out permits for the North West but the latest Mr. Daly Minister of Interior has not answered yet. As soon as I learn who is the proper authority I will let you know.

I have now written in about one third of your list and find it very valuable. I will [illegible] your notes immediately after Mr. Brewster's[?].

Thanks for the notes on the Ontario birds. During the coming summer I will be in Alberta and [illegible] part of the time on the line of the C. P. R. If you [illegible] [illegible] South Lake after the beginning of May [illegible]

Very truly yours
John Macoun

Mr. Wm. Gilbert[?] [illegible]
Mount Forest, Ont.

April 5th [illegible]

Dear Dr. Merriam

Your letter of the 3rd inst. reached me this morning and in answer I may say that you are laboring under a wrong impression regarding the skins. I had been asked for the skins before I went to Boston, while I was there, and afterwards. I laid the matter before Dr. [illegible] and Dr. [illegible] and I told them the whole facts and showed them the letter. We all came to the conclusion that you were the proper man to have them and I sent all the small mammals we collected during the last three years. If I had wished to do as you say I intend to do I could have sent you a part and and not to one but to two others the remainder. There is no truth in the statement you have heard any farther than this that I was applied to long before you did and had to give reasons for not letting others have the skins. If you name the specimens they do not go out of my possession again if you do not they will of course. I leave in about three weeks for the fields and I [illegible]

April 5th ,

Dear Dr. Manning

Your letter of the 1st inst. reached me this morning and in answer I may say that you are entirely [illegible] regarding the advice. I had been waiting for the advice before I sent the Doctors, which I saw today and afterwards. I laid the matter before Dr. [illegible] and Dr. [illegible] and I told them the whole facts and showed them the letter. He at once came to the conclusion that you were the proper man for the place and I went at the same moment [illegible] during the last three years. If I had wished to do so in any [illegible] I could have sent you a [illegible] and out of one but to have stated the [illegible]. There is no doubt in the [illegible] your have heard any further than the that I was afflicted to leave before you did and had to give reasons for not letting [illegible] have the advice. If you move the [illegible] that the not for out of my [illegible] again if [illegible] the next [illegible] and of course I have in almost three months for the [illegible] and Librarian

and [illegible] to see the specimens before I take the field. During the summer I will collect many others and want to know what I am getting. When the skins pass into other hands you are at liberty to [illegible] me. Until then I hope you will suspend judgment and give me the benefit of the doubt.

My man reached Medicine Hat today and will collect everything. I have instructed him to pay particular attention to small mammals.

Very truly yours

John Macoun

Dr. C. Hart Merriam

Department of Agriculture

Washington

D.C.

Ottawa Apl. 10th [illegible]

Dear Sir

Your notes on my father's grasses were received a few days since and I have gone over our specimens and made the corrections made necessary by your determinations. I thank you very much for your promptness in examining the specimens sent you. I have been much pressed for time this winter and the specimens were not carefully examined by me or there would not have been so many errors in our determination but this accounts for by no means all of them. I am afraid that Dr. Vasey did not always conform the specimens sent him with types of my father's 1887 U.S. plants and distributions for I find many [illegible] that was named by him with quite different names from that you have given the same plants, and in some instances [illegible] where he was wrong. A glance at the specimens shows [illegible]. We shall I hope sometime have the benefit of your revision of their plants. When you go to Washington you [illegible] I shall be [illegible] of the old ones grasses [illegible]

as I promised and by degrees send you sets of these
[illegible] for generally. Names of our grasses have not been
distributed to the sets sent you will be complete.

I have copied what was necessary of your notes and return
them herewith. Page 3 was missing the [illegible] I think to
Nos 68, 83, 84 & 85 which you do not refer to in your notes.
No. 115 called by me *Bromus mollis* is also omitted. I send
you a specimen in a few days. Will you kindly send me page 3
if you find it? I will send you also a few specimens of [illegible]
included in the [illegible] you may [illegible] them [illegible], and my [illegible] P. [illegible] [illegible]
will contain additional specimens for you of [illegible] a good
[illegible] and [illegible] *inflata*. This last seems to me [illegible]
[illegible] Beacon Hill [illegible] the [illegible]
[illegible] the older specimens from [illegible] of A. *microphylla* and
[illegible] I examined all our specimens [illegible] perfectly. I [illegible] collected A. *inflata* [illegible]
[illegible] Dr. [illegible] A. *microphylla*
[illegible] 1885, this plant was [illegible] grass as [illegible]
[illegible] doubt your species. [illegible] A. *microphylla*
by Dr. [illegible] which all [illegible]
my [illegible] specimens [illegible] I [illegible] send you the specimens
[illegible] collected in [illegible]. [illegible] with a set of my [illegible]
[illegible] in a few days

Yours sincerely
[illegible]

[illegible]
[illegible]

[illegible]

Yours sincerely,

[illegible]

April 10th

My dear William

Your letter from Victoria with the weights and the other [illegible] Medicine Hat are both here.

You could see by my letter that I hardly thought Medicine Hat a good location. I think Rush Lake the best of all and advise you to go there as soon as you receive this. There is water of all kinds there and plenty of birds. This spring we want all kinds of eggs and a good place to collect birds and I see no better place. There is a house there and near it one of the C.P.R. farms so that you can get board.

Take with you the tents or tent so that you can have a house to work or sleep in and whatever else you need and leave all the other things at Medicine Hat. We need and [illegible] the [illegible] long enough to find out [illegible] use it as a base this year or long enough to find out a better place. I am making arrangements to leave here either the last week in April or first in May. If I cannot do this then I must stay here to the last of May. Your movements at Rush Lake are a [illegible] [illegible]. Try and find out something [illegible] about Old Wives Lakes, the Cypress Hills and beyond

other points. I would like to spend July in the Cypress Hills and then help run the Boundary all the way to Whirly Mountains and spend August on that trip reaching Calgary early in September.

It is quite possible that I may not leave here until May 25th and if so I will send out a few letters on.

You will understand what to do. Any big birds of which you have never got a pair be sure and get if possible. Of the common ducks we want none or very few. Of all kinds of small birds we want a pair unless those larks, and Red polls and any species that very much we want. We want about half a dozen each of all kinds of Gophers and at least a dozen of all kinds of mice. No matter how common a thing is get what we need as we may have less than we like. Do not shoot hawks except species we do not have.

Regarding birds eggs I may say we want a quantity, as I purpose exchanging for others next year. In the case write out a description of the nest and the condition under which it is built.

Make arrangements with some store keeper in Medicine Hat [illegible] to send supplies to you. We will not bother with [illegible]
[illegible]
[illegible]

P.S. Should I go along the line of Ry I would do the country around [illegible] before going [illegible] in place of [illegible]
Seton

other friends. I would like to spend a day or so there [illegible]
time and then back over the Mountains, all the way to
[illegible] Massachusetts and spend August [illegible] that
[illegible] in September.
It is quite possible that I may not leave here until
May 25th and [illegible]
You will understand [illegible]
[illegible]

Ottawa 12th Apl 4

Sir

I beg to acknowledge the receipt of your letter of 11th April advising me that the Auditor-General requires to be furnished with a detailed statement of all moneys paid by me in connection with the exceptional expenditures incurred by me and also the authority under which I acted in each case and so far as possible vouchers in support of disbursements so made.

In reply I beg to say that the authority under which I acted was that under which all my movements and expenditures were made. I was appointed under Order-in-Council to procure information in Behring Sea and at Victoria and given authority to draw what money I required for the prosecution of this work but the methods I should employ was left entirely to myself and whenever I considered any exceptional expenditure necessary it

was made.

Before rendering my accounts the reasons for these exceptional expenditures were explained to the Ministers of Marine and Fisheries who approved of them and agreed with me that it was neither necessary nor expedient that these items should appear in my accounts and that the simplest method was to pay me a sufficient sum per diem as a living allowance to cover all the expenditures not otherwise accounted for and an Order-in-Council was I believe passed authorizing the payment to me of $7.25 per day during the time I was [illegible] in the work referred to.

It is I think about 16 months since my accounts were rendered. I was at that time in London and after receiving from the Dept. of Marine and Fisheries an acknowledgment of this account,

all memoranda that had not been transmitted to that Department, were destroyed in that though vouchers for some of the large items have been filed ~~in~~ in the Dept. of Marine and Fisheries it would now be quite impossible to furnish the items asked for by the Auditor-General.

These expenditures were all, in my opinion, necessary and were made for the purpose of enabling me to procure the information I was solicited to procure and as I have always had my authority for making them and the same authority that governed all my actions while engaged in this work — my own judgment.

I have the honour to be
Sir
Your obedient Servant
Jas. M. Macoun

Wm. Smith Esq.
Deputy Minister
Marine and Fisheries
Ottawa.

[illegible] made.

Before rendering my accounts the reasons for these [illegible] or [illegible] were explained to the [illegible] of [illegible] and [illegible] who approved of their [illegible] [illegible] with me that it was not necessary that these [illegible] should appear in my accounts and that it [illegible] [illegible] to pay me a sufficient [illegible] for the [illegible] [illegible] on a [illegible] allowance to cover all the [illegible] [illegible] [illegible] [illegible] for [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] during the time [illegible] [illegible].

I was engaged in [illegible] [illegible] [illegible] my [illegible] [illegible] [illegible] [illegible] at that time [illegible] accounts [illegible] [illegible] the [illegible] of [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] and [illegible] [illegible] [illegible]

Ottawa April 19[illegible] 4

Dear Sir

I have been working over our herbarium specimens of Ranunculus and find one or two things that bother me. You had our specimens before you when you wrote your paper on *Ranunculus* [illegible] one matter.

You sent us specimens labelled *R. fascicularis* from Mountain Lake 1890, Virginia, a few years ago. These I take to be *R. fascicularis*; *R. hispidus* Mx. Is that correct or are they *R. fascicularis*;

We have a number of specimens from B.C. that were named *R. hispidus var. oreganus* Gr. by Macoun and not changed by you when you had the specimens. Should these be called *R. Macounii* Britt. var. *oreganus* [illegible]?

Among our specimens labelled *R. fascicularis* is one that [illegible] from Niagara Falls that are the same as your Virginia. If these are not *R. hispidus*, Mx. plants referred to above, if there are not [illegible] in Canada. So far as [illegible] we have none of it in Canada. I have all our specimens [illegible] at any rate,

Specimens satisfactorily separated with R. [illegible], R. Macounii, R. fascicularis and R. [illegible], with the exception of those I have referred to.

I thought I would have been able to send you specimens for your herbarium long before this but have had many [illegible] in hand and was also from home [illegible] —. The distributing of plants until my [illegible] you out in about a week.

Yours truly

Jas. M. Macoun

Dr. N. L. Britton
Columbia College
N. York.

[illegible] satisfactory dependent with R. [illegible], R.
[illegible], R. [illegible] and R. [illegible], with
I have referred to.
In addition to these I have been able to send
I thought I would have sent before the last
[illegible] days
specimens of yours which was then
[illegible] found [illegible]
be wrong [illegible] your visit —
the collecting & [illegible] my [illegible]
in about 3 weeks.

Yours truly
Geo. W. [illegible]

Dr. N. L. Britton
Columbia College
N. Y. City.

Ottawa Apl. 17th 94

Dear Sir

I send you a second packet of grasses to-day containing those referred to in my last letter and a set of my [illegible] Bromus. I have collected in 1891 the ones named by Dr. Vasey, will you kindly send me the names of the [illegible] or do collected in 1892 and I will be glad to know of any changes you would make in the determinations of the others.

My father goes to the prairies in about 3 weeks and will work first in the [illegible] [illegible] region and then in the Cypress Hills N. of Montana; so that you may expect a set of grasses next autumn that will supplement your Rocky Mountain collection.

Yours truly

Jas. M. Macoun

Prof. F. Lamson Scribner
Knoxville, Tenn.
U.S.

April 17th

My dear Sir

Your little parcel came this morning and I now send the names of the species. I will not leave here before May 20th.

40 Dentaria tenella
4? Tellima parviflora
4? Cardamine oligosperma
3? Synthyris reniformis
4? Ribes sanguineum
43 Claytonia perfoliata
36 Collinsia grandiflora var. pumila
37 Claytonia spathulata
4? Contains two species of Mimulus
M. [illegible] (spreading spotted)
M. alsinoides (low and branching)
45 Sedum Douglasii

Letter came after this was written J.M.

Very truly yours
John Macoun

[illegible] Fannin Esq.
Victoria
B.C.

April 17th

My Dear Sir

Your little parcel came this morning and I now send the names of the species. I will not leave here before May 20th.

40 [illegible]

41 [illegible]

42 [illegible]

38 [illegible]

44 [illegible]

43 [illegible]

56 [illegible]

37 [illegible]

47 [illegible] of [illegible]

[illegible] (sporangia [illegible])

[illegible] (fruit and [illegible])

[illegible] [illegible]

Letter came after this was written
J.M.

Yours truly
John Macoun

Prof. [illegible]
Victoria
B.C.

April 18th ,

My dear Sir

With this letter I send three jars containing reptiles and fish. I intend the fish for Mr. Dane and hope he may be able to name them for me.

Since I wrote last I have been looking at the snakes said to be from Prince Edward Island but which I believe are from Vancouver Island as you thought I must have written the one island for the other. I send a jar containing nine reptiles all of which were taken on Vancouver Island last summer.

Please *retain* Nos 2, 3, 4, 5, 6 as I have duplicates. Nos. 1, 7, 8, 9 you might return.

Of those sent formerly you can *retain* No. 3, 4, 9, 10, 17, 27, 28, 33, 34, 35, 42, 43, 45, 53, 54, 57. I have duplicates of these. Should any of the others be duplicated you can retain them also.

I have looked up my old letter and see that No 53 is stated to be from P.E.I.. If it is out of range give no credit to the statement that 54 & 57 are from the same place until you know they are certainly in range.

I have collections made in the county

242

April 18th

My dear Sir

With this letter I send thee you containing reptiles and fish. I intend the fish for Mr. Stone and hope he may be able to name them for me.

Since I wrote last I have been looking at the [illegible] made [illegible] from Prince Edward Island but which I believe are from Vancouver Island as you thought. I must have written the one [illegible] for the other. I send a jar containing nine reptiles all of which were taken on Vancouver Island last summer.

Please return Nos. 2, 3, 4, 5, 6 as I have my [illegible]. Nos. 1, 7, 8, 9 you might retain.

Of those sent previously you can retain Nos. 3, 4, 7, 10, 17, 21, 27, 28, 33, 34, 35, 42, 43, 45, 53, 54, 57. I have duplicates of these. Should any of the others be duplicated you can retain those also.

I have looked up my old letter and see that No. 53 is entered to be from P.E.I. If it is not of large [illegible] [illegible] unlike [illegible] 54 & 57 [illegible] [illegible]

[illegible]

2

made on the Columbia in 1910 and 1911 which will be sent in the autumn with those I make this coming season.

The collection of fish is numbered from 1–57. The nos. 1 – 29 were taken at Comox about 140 miles north from Victoria on Vancouver Island.

No 30 is a freshwater fish from Shawnigan Lake on the Island.

No 31 is from the Colquitz River near the sea.

? Nos. 32 – 43 and from 50 – 57 inclusive are from Lake Erie and [illegible] little streams entering it.

No 44 was taken in the sea at Comox.

Nos 45 – 49 inclusive were taken at Sooke 30 miles South west of Victoria.

Nos. 1 – 14, 30, 31, 35 – 42 and 50 – 56 can be retained as I have duplicates of them.

Hoping that these specimens may reach you in safety. I remain Very sincerely yours

John Macoun

Dr. Leonhard Stejneger
Smithsonian Institution
Washington
D. C.

2

made on the Columbia in 1880 and 1881 which will be found ... the collection with those I make the coming season.

The collection of fish is numbered from 1–87.

The nos. 1 – 29 were taken at [illegible] about 190 miles north from Victoria on Vancouver Island.

No 30 is a freshwater fish from [illegible] Lake, on the Island.

No 31 is from the [illegible] River near the coast

1 Nos. 32 – 40 and from 50 – 87 inclusive are from Lake Erie and the little streams entering it.

No 44 was taken in the bay at [illegible]

Nos 45 – 49 inclusive were taken at [illegible] 20 miles south west of Victoria.

Nos. 1 – 14, 20, 21, 35 – 42 and 50 – 56 can be retained as I have duplicates of them.

Hoping that these specimens may reach you in safety, I remain Very sincerely yours

[illegible]

Dr. Spencer [illegible]

Smithsonian Institution

Washington

D.C.

April 13th 4

My dear Sir

Your note of the 9th inst. has reached me and I have sent your name to the general Secretary who will communicate with you regarding general matters.

You will notice that Mr. W. C. Galbraith of Lethbridge is Secretary for Alberta and it is through whom and to whom you should send any information and from whom you should get circulars &c.

Any plants you may collect I will name. Just number two specimens of the same kind and send me one and keep the other and you can have your whole collection named without difficulty.

There is nothing new here about the Museum.

Very truly yours
John Macoun

Mr. Geo. M'Leod
Banff
Alberta

Sept 19th

My dear Sir

Your note of the 9th inst. has reached me and I have sent your name to the [illegible] [illegible] [illegible] [illegible] with you regarding [illegible] matters.

You will notice that Mr. [illegible] [illegible] [illegible] is [illegible] for [illegible] and it is [illegible] whom [illegible] you should send any informa-tion and from whom you should get [illegible] &c.

Any [illegible] you may [illegible] I will [illegible] [illegible] [illegible] the [illegible] of the [illegible] and [illegible] me and [illegible] the [illegible] [illegible] your [illegible] [illegible] [illegible] [illegible] difficulty.

There is nothing new [illegible] about the [illegible].

Very truly yours
[illegible]

Mr. [illegible] O'Brien (?)
[illegible]
[illegible]

June 11th

Dear Mr. McKay

Your note and parcel came this morning and I name the specimens at once and return them. They are as follows—

1 Usnea barbata var. plicata
2 Ramalina reticulata
3 Cladonia bellidiflora
4 " furcata var. racemosa
5 Sticta Oregana
6 Evernia prunastri
7 Peltigera aphthosa & 8
9 Sticta scrobiculata
10 Cetraria glauca
11 Parmelia physodes
12 " saxatilis
13 Camptothecium Nuttallii
14a Dicranum strictum
14b Antitrichia californica
15 Lycopodium [illegible]
16 Polytrichum juniperinum
17 Dicranum scoparium var. [illegible]
18 Mnium venustum

I [illegible] [illegible] [illegible] name [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] majority [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] and my [illegible] [illegible]. J. M.

Apr 17

Dear Mr. McKay

Your note and parcel came this morning and I name the specimens of moss and return them. they are as follows—

1 [illegible]
2 [illegible]
3 [illegible]
4 " [illegible]
5 [illegible]
6 [illegible]
7 [illegible] v.8
9 [illegible]
10 [illegible]
11 [illegible]
12 " [illegible]
13 [illegible]
14 [illegible]
15 [illegible]
15 [illegible]
16 [illegible]
17 [illegible]
18 [illegible]

[illegible]

April 1st

Botanist's Report of work done by me during the past year.

On April 18th I started for the Pacific Coast and spent the summer collecting on Vancouver Island. During the summer collections were made at Victoria, Nanaimo, Comox, Valdez Island, Lakes and many points inland and a large series of specimens were obtained. Altogether about 1400 species were collected and besides the many new species detected in 1887 over thirty additional ones have been already worked out from the collections made. New species of Mosses, Hepaticae and flowering plants have been named, and others are under consideration.

Mr. James M. Macoun is writing a series of papers on the plants in our herbarium which will appear in the Record of Science (the first article is now ready). In these articles the later revisions of species will be discussed and descriptions of new species as well as opinions on our herbarium specimens will be published. Later in the year many new facts will be arranged and published and it is hoped that working botanists will be helped by this series of papers, which will appear quarterly.

[illegible] Report of work done by me during
the past year.

On April 17th I started [illegible]
spent the summer collecting in Northern [illegible].
During the summer collections were made at [illegible]
[illegible]
[illegible]
[illegible] about 1400 species were [illegible]
[illegible] and besides the many [illegible] species [illegible]
in 1887 [illegible]
[illegible] out from the collection [illegible]
of [illegible]
[illegible]

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

Mr. William Scott late of this city and now of the Normal School did some excellent work last summer. During his vacation he crossed over to Vancouver Island and collected there and at various points on his way home and in all collected many new species of flowering plants and ferns. Amongst these novelties he obtained on Vancouver Island Linnaea Canadensis and in the vicinity of Ottawa Myriophyllum alterniflorum, &c.

Another of our members Mr. Roderick Cameron of Niagara Falls has been at work for some years in making a complete catalogue of the plants growing without cultivation on the Canadian side, and in his careful explorations has brought to light many species recorded by the early collectors but never [illegible]. He would be a valuable botanist, or at least adviser [illegible] guide to any of our members visiting the Falls.

I have been in correspondence with others and much good work is being done by Mr. Dearness of London, Mr. Morton of Wingham and Mr. White of Edmonton. These three gentlemen are careful and painstaking botanists and each has done excellent work in the line he has taken up.

I beg to enclose $1 received from Mr. R. Cameron of Digby N.S. [illegible] and twenty five cents from Mr. John E. [illegible] per Mr. George M. Sewall.

The above is all the money I have received from all sources.

Mr. George McLeod of Banff, Alberta has written asking to be enrolled in the membership of the Club and I have written to him and sent a circular at the same time calling his attention to his own Secretary at Calgary.

I think with you that we ought to have as much printed as possible as long as it is of general interest. I am not in favor of merely local interest but I think that anything of a general character should be included in your report.

You might ask Messrs. White, Scott, Nuttall and Cameron for individual reports.

Very truly yours
John Macoun

A. H. MacKay B.A.
Halifax
N.S.

I beg to confirm the receipt from Mr. [illegible] [illegible]

[illegible]

[illegible]

[illegible]

Mr. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Very Truly Yours

[illegible]

[illegible]

Washington

D.C.

April 18th

My dear Sir

Your note came in due time but was [illegible] at the office for a day or two.

I have done nothing in the north-west since your publication, but I had a man at Indian Head for three months in the spring of 1892. He collected a number of birds and mammals and made numerous notes on them. The small mammals are now in the hands of Dr. Merriam and the only addition of birds from him is that there are five (5) [illegible] in the collection.

Should you desire any additional information regarding any of the birds let me know and I will copy it out of my reports. I have destroyed your manuscript notes after I copied them. I have all the notes on the birds eggs and nests he obtained, these you can have. Send me a list of birds you may want additional information about.

Very truly yours

John Macoun

Ernest E. Thompson Esq.
86 Howard St.
Toronto

April 18th

My dear Sir

Yours ... came in due time but was retained at the office for a day or two.

I have done nothing in the matter since your last letter, but I had a man at Gardiner's Island for three months in the spring of 1882. He collected a number of birds and mammals and made numerous notes on them. The [illegible] Mammals are now in the hands of Dr. Merriam and the only [illegible] of birds from there is that [illegible] (5) [illegible] in the collection.

Should you desire any additional information regarding any of the birds [illegible] [illegible] [illegible] [illegible] [illegible] notes of the birds [illegible] [illegible] [illegible] [illegible] [illegible] additional information.

Very truly yours

[illegible]

[illegible] Esq.

[illegible]

Ottawa 20 April 4

Dear Sir

I send you to-day specimens of Rumex collected by my father in 1881 and 1882. Will you kindly advise me of any corrections you make in my determinations and give me also the name of No. 1577. You will [illegible] the specimens of course. Few of them are of any special interest but all are from localities [illegible] you will hardly get specimens from [illegible] and I thought you would like a full series of the genus [illegible] you have worked up. What shall I send you in future besides Thalictrum, Epilobium and Rumex? [illegible] in a few weeks when I hope my father [illegible] the distribution of our duplicates [illegible] at last get at the [illegible]

Yours truly

Jno. M. Macoun

Prof. Wm. Trelease
Shaw School of Botany
St. Louis, Mo.

Ottawa [illegible] 4

Dear Sir

Your letter was [illegible] welcome as it [illegible] [illegible] of 'Saml Williams' and the [illegible] brought me the [illegible] [illegible] [illegible] [illegible] [illegible] with [illegible] [illegible] that you [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. I [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] *albo-cuticula*! [illegible] [illegible] I think that you [illegible] [illegible] collected by Richardson [illegible] [illegible] [illegible] [illegible] [illegible] with your notes, this is the [illegible], as have the [illegible] with your notes, this is the [illegible] [illegible] in [illegible] first [illegible] this species [illegible] been [illegible]

Yours [illegible]

My [illegible] years [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] for the first time [illegible] [illegible] with my [illegible] [illegible] for the first time [illegible] [illegible] at home this season [illegible] [illegible] 1881 I shall [illegible] at home this season [illegible] [illegible] I have to catch up with my work if possible. I have [illegible] collected in 1881-1882-1883 25 or 30 [illegible] of [illegible] collected and I [illegible] to [illegible] it yet and I [illegible] my [illegible] and [illegible] to [illegible] at yet and I

want of possible to [illegible] a few thousand [illegible]
over numerous stock of duplicates. I think not
going to the field [illegible] ahead of [illegible] no [illegible]
[illegible] there again but will hardly get of anything
collecting [illegible] to the great
of interest to you. My father [illegible]
gleaning south of Montana and will get a good
[illegible] for [illegible]
Series of [illegible]. [illegible] the Rocky mts. just north
a few miles [illegible] the [illegible]
of the ~~International~~ Boundary.
Send his kind regards to you

Yours sincerely
Jas. M. Macoun.

Mr. M. S. Bebb
Rockford, Ill.

[illegible] I am glad that this [illegible] in 1893 [illegible] the [illegible] of Pt. III of my father's Catalogue was going through the [illegible] we [illegible] the proofs of the [illegible] on hand.

April 20th

Dear Miss Moodie

Your note and parcel came this morning and beneath you will find the list of your specimens which I alternately numbered.

I find the total number sent is 50 and of these there are just two I have any doubt. These are Nos. 20 and 34. The latter may be Astragalus Robbinsii var. occidentalis but it is too young for certain determination.

About the last of May I hope to be in Alberta where I will remain all summer. I cannot say at what time I will be in Calgary but whatever time I am there I will make a point to call upon you. If you wish me will look over all your plants and I will name and correct them as far as possible. Please pick up anything that may interest you and bring to see as many of the native species as possible. If I find your note from Cochrane or when I am at Calgary I will drop you a line, if you permit me perhaps up for a day. I may not be in Calgary before the last of August.

Very truly yours
John Macoun

Miss M. E. Moodie
Cochrane P.O. Alta.

April 20th

Dear Mr. Burdick

Yours with enclosure came this morning and herewith you will find the list of your specimens which I returned marked.

I find the [illegible] marks [illegible] and there are just two I have any doubt about. These are No. 22 and 34. The latter may be [illegible] [illegible] for [illegible]

About the last of May I expect to be [illegible] where I will remain all summer. I cannot say at what time I will be in [illegible] but [illegible] then I will make a point to call upon you. If you wish me will look over all your plants and [illegible] and correct them as far as possible. [illegible] anything that may interest you and [illegible] to me as many of the [illegible] species as possible. I find [illegible] when I was at [illegible] if [illegible] for a day I may [illegible] before [illegible]

[illegible]

Mr. [illegible]

[illegible] Plants
from the [illegible] Valley.

1 Lactuca pulchella
2 Chrysopsis villosa
3 Erigeron glabellum var.
4 [illegible] glaucum var. [illegible]
5 Solidago humilis var.
6 Gutierrezia Euthamiae
7 Sisymbrium humile
8 " incanum
9 Vesicaria Ludoviciana
10 Geranium Richardsonii
11 Ranunculus affinis var. validus
12 " Cymbalaria
13 Astragalus Missouriensis
14 Polygala Senega
15 Arenaria lateriflora
16 Stellaria longipes var. minor
17 Arenaria verna [illegible]
18 Echinospermum Redowskii var. occidentale
19 Astragalus [illegible]
20 Oxytropis [illegible]
21 Draba incana
22 Astragalus adsurgens
23 " multiflorus
24 Oxytropis viscida
25 [illegible] glauca
26 Lithospermum } = Lithospermum pilosum Nutt.
27 "
28 Corallorhiza innata
29 Habenaria hyperborea
30 Geum strictum
31 Potentilla Anserina
32 " gracilis
33 " humifusa
34 Astragalus (very young) may be no. 36.
35 Physaria didymocarpa
36 Astragalus [illegible]
37 " caryocarpus
38 Orthocarpus luteus
39 Lathyrus ochroleucus
40 Chrysopsis villosa var. hispida
41 [illegible] lanceolata
42 [illegible]
43 [illegible] lanceolata
44 [illegible]
45 [illegible] arvensis
46 Echium vulgare
47 [illegible] multiflorum var.
48 Androsace septentrionalis
49 [illegible]
50 [illegible]

No. 20 is a very interesting plant and is not [illegible] like any [illegible] much to be [illegible] in fruit. [illegible] genus [illegible] longer [illegible] I have just examined [illegible] Oxytropis [illegible]
J. M.

[illegible]

This is a very interesting plant and is [illegible]. I would like very much to have it in fruit the other specimens are [illegible] from near Calgary. But I have just received [illegible]

J. M.

Ottawa April 20 94

My Dear Holm

Much against my will I am to get ready my paper on the Ch. Isl. Flora for the meeting of the Canadian Royal Society here in May; I have neither the time nor inclination for this work now but my father and Dr. Dawson think for reasons I need not mention here that it should go in this year. I have just finished the Gamopetalae of the 1891–1892–1893 collections of my father and others and have given that is to work up yet with the exception of Carex, the Grasses (which Scribner has [illegible]) and Salix (named by Bebb) I wanted to stick at this so that I could get through and start with a fresh sheet next [illegible] – but it seems this other thing must be done.

All I propose doing is this. (1) a brief [illegible] of the work done in Ch. Isl. [illegible] [illegible] visit, with descriptions of the islands visited say 4 quarto pages. Then the list which must be thoroughly revised and checked and this will take a good deal of time and [illegible] far from [illegible] [illegible] on the [illegible] perfect [illegible] [illegible] [illegible] must [illegible] [illegible] [illegible] [illegible] to [illegible] [illegible] [illegible] [illegible] [illegible] going to the [illegible] [illegible].

Ottawa April 20 [illegible]

My dear [illegible]

Much against my will
I have to get ready my paper on
the Behr. Sea Flora for the meeting of the
Canadian Royal Society here in May.
I have neither the time nor inclination for
this work now but my father and Dr.
Dawson think so, because I was not
[illegible] that at [illegible] go at this
again. I have just finished the [illegible]
of the 1891–1892–1893 collections of my
father and these [illegible]
to work up yet with the exception of Carex,
the Grasses (which Scribner has taken) and
Salix (because of Bebb). I wanted to finish
all this so that I could get through and start
with a fresh sheet next season — but it
seems that this thing must be done.

All I [illegible] doing is this. I'll [illegible]
[illegible] of the work done on Beh. Sea
[illegible] visit, with [illegible] of
the [illegible] visited by [illegible]
Then the list which must be [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

in some detail with comparisons with Hudson Bay and the Arctic plants but have not time for this work. I fear not the knowledge to do it alone. The paper will be read May 22nd but not printed until late in the summer. Will you be able to look over the latter part of it and correct my notes where necessary, I shall as I promised send you a set of my plants (the best [illegible]) and many [illegible] may strike you that was [illegible] [illegible]. Can you give me some idea as to how your summer will [illegible] or where you will be? I think I shall include Kjellman's descriptions of [illegible] in the paper as they have not been printed in any American publications and may prevent mistakes hereafter such as some we know of. I send you a few plants to-day, will you kindly [illegible] me your opinion on them, giving the [illegible] as to [illegible] who examined the [illegible]. I [illegible] [illegible] doubt about [illegible] but [illegible] [illegible] the [illegible] the [illegible] he! [illegible] [illegible] my father [illegible] Carices!

Yours Sincerely

Jas. M. Macoun

[illegible] Esq.

[illegible]

Woburn [illegible].

April 23d 4

My dear Williams

Your letters of the 17th and 18th inst. came today. The cigar box came later. The animal is a horned toad sure enough.

The only record we have had of it before from the interior was from near the Boundary at the Sweet Grass Hills. Its scientific name is Phrynosoma Douglassii, Bell. We have no specimens here and I am very glad to get this one

The other specimen is a Salamander named Plethodon glutinosus or Viscid Salamander. The insects I will give to Fletcher. The mice I think are a different species from those we have had before.

Please tell Mr Calder that I have put his label on the bottle with the Reptiles and that I thank him very much for them.

We have had very warm weather for the last week but it is beginning to get colder and some freeze again.

Very truly yours
John Macoun

Mr Williams Spaudlding
Medicine Hat
N.W.T.

April 23rd

My dear William

Your letters of the 17th and 19th inst. came today. The eggs have come also. The specimen is almost dead sure enough.

The only record we have had of this form in Wisconsin was from near the Boundary at the Black River Falls. Its scientific name is Chrysemys [illegible] [illegible] Gray. We have no specimens here and are very glad to get this one.

The other specimen is a Salamander named Amblystoma punctatum or Spotted Salamander. It is the first one [illegible]. The mice I think are a different species from those we have had before.

Please tell Mr. [illegible] that I have put his label on the [illegible] with the Reptiles and that I thank him very much for them.

We have had very warm weather for the last week but it is beginning to get colder and more like spring.

Very truly yours
[illegible]

Mr. William [illegible]
[illegible]

Ottawa April 23rd 4

Dear Sir

I send you to-day a partial set of my father's 1902 grasses, others have yet to be determined and will go to you later. You will find two new to science and one or two others at least that are not in your herbarium. In the same packet I enclose a few herbarium sheets which can be ~~[illegible]~~ returned with the [illegible], will you kindly examine these specimens and determine those that are unnamed and confirm or correct the names on the labels of the others.

I take this opportunity too to thank you for the copy of your revision of the North American Sileneae and Polycarpeae which reached me some days ago.

Yours Very Truly
Geo. M. Macoun

Dr. B. L. Robinson
Gray Herbarium
Harvard University
Cambridge.

Ottawa April 23rd 97

Dear Sir

I send you to-day a partial set of my [illegible] 1882 grasses, these have yet to be determined and will go to you later. [illegible] first two were to [illegible] and [illegible] the [illegible] of best that we sent to you [illegible]. [illegible] the same [illegible] Sheets which [illegible] returned with the Rhamnus, were you kind [illegible] examine these specimens and determine those that we [illegible] and confirm or correct the names on the labels of the others.

I take this opportunity to thank you for the [illegible] of your remarks on the North American [illegible] and [illegible]

Yours Very Truly

John Macoun

Dr. B. L. Robinson

Gray Herbarium

Harvard University

Cambridge Mass.

April 21st

My dear Professor

Your letter was a very welcome one and I am more than pleased I wrote to get such a response from you. I am glad to find that you have collected at so many places on the Pacific Railway as you will be familiar with the field I may select this year.

Since I wrote it was settled that my Vancouver Birds would be sent to the Smithsonian, as they had been promised in the spring so they are placed there.

I will now engage to send you a better series of all I get in Alberta this year and as I will be on both the waters of the Missouri and Saskatchewan I may get something very interesting. I will correspond with you during the summer and let you know how I am getting along.

I wish you would tell me what kind of a thing to take to put Reptiles, Fish &c in. I generally take just large mouthed jars but I purpose this time to get more specimens than usual. I also want to know what strength the medium should be into which the fish &c are dropped. I am going to take three jars for the prairie region and this summer will be both north and south of the Railway in Alberta. I will try to get the fish and reptiles as well as anything. I have there [illegible]

April 24th [illegible]

My dear Professor

Your letter was a very welcome one and I am more than pleased to note the [illegible] from you. I am glad to find that you have [illegible] at [illegible] on the [illegible] as you will be [illegible] while the [illegible] I may [illegible] you.

Since I wrote [illegible] and wrote that my [illegible] would be sent to the [illegible], as they had been promised [illegible] in the spring as they are going there.

I will now [illegible] to send you a [illegible] of [illegible] collected this year and as I wish to [illegible] the [illegible] of the [illegible] and [illegible] I may get something very interesting. I will [illegible] the [illegible] and let you know how I am getting along. I wish you would tell me what kind of a thing to take to [illegible]. I [illegible] the great large [illegible] you [illegible] this [illegible] and [illegible] from [illegible]. I also want to know what [illegible] through the [illegible] the [illegible] be [illegible]. I am going to take [illegible] you [illegible] the [illegible] and [illegible] will be [illegible] and [illegible] of the [illegible] in [illegible]. I [illegible] the [illegible] and [illegible]. I have [illegible]

seines and a Minnow trap that I will place in water and take what comes. My aim will be to get all the fish in every stream so that I will examine the [illegible] from its source (I have been there) to its outlet.

Any suggestions you may make will be gladly acted upon and a series of all I collect will be forwarded to you whether numerous or rare.

Give my kind regards to Mrs. Eigenmann and tell her she is doing remarkably well and that I wish her and the little one the best of health which is the greatest blessing.

Very sincerely yours
John Meanes.

Prof. C. H. Eigenmann
Indiana University
Bloomington
Ind.

April 20th [illegible]

My dear Sir

Your letter came in due time and I note what you say. You misunderstood me. I meant you to understand that [illegible] [illegible] and [illegible] were the same species. Arabis [illegible] and [illegible] are the same. You & I have confounded [illegible] [illegible] with [illegible]. My catalogue would show you that it is not [illegible]. The [illegible] is not in Canada as far as I am aware. Your [illegible] [illegible] [illegible]. In my catalogue [illegible] a V

Your Juncus [illegible] & [illegible] [illegible]. [illegible] you made a mistake. [illegible] [illegible] is [illegible] and you have made it [illegible]. Your [illegible] [illegible] is a [illegible]. [illegible] [illegible] may be all right but remember the [illegible] [illegible] [illegible] is a [illegible].

You cannot be too careful. I want to [illegible] you above the [illegible] [illegible] who assume too much and know too little. Remember when your list is made out I will require to see any species I have any doubt about that you will be able to [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] a specimen [illegible]

Very [illegible] [illegible]

[illegible]

Mr. [illegible] [illegible] [illegible] [illegible] [illegible]

April 26th

My dear Sir

Both your letters are here. I think there is no doubt but you have found the right [illegible] this time. It is so like the original specimen that I am satisfied it is it. The specimen you send in your letter of March 24th is [illegible] [illegible]. I return it to make sure. The fungi are as follows

1 Polyporus igniarius
2 Lenzites betulina
3 " [illegible]
4 Polyporus seems to be small betulinus
5 " salicinus
6 Agaricus
7 Polyporus versicolor
8 " = 7 ? form
10 " adustus
11 Schizophyllum commune
12 Polyporus applanatus
13 All rotten up
14 Polyporus betulinus
15 " fumosus

Collect anything else that may strike your [illegible] [illegible] the coming summer and [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Yours [illegible] [illegible]

P.S. There are parts of a number of your specimens in a [illegible] and have very [illegible] be [illegible] [illegible]

April 28th

My dear Sir

Certainly your letter are here. I think there is no doubt but you have found the right determinations this time. I is as like the original specimens that I am satisfied it is the same. The specimens you send in your letter of March 29th is Camptothecium nitens. I return the same. The fungi are as follows

1 Polyporus squamosus
2 [illegible]
3 " [illegible]
4 Polyporus [illegible]
5 " [illegible]
6 Agaricus? [illegible]
7 Polyporus [illegible]
8 " [illegible]
10 " [illegible]
11 Lenzites? [illegible]
12 Polyporus [illegible]
13 [illegible] sp.
14 Polyporus [illegible]
15 " [illegible]

[illegible]

Yours [illegible]

P.S. [illegible]

April 25th 4

Dear Dr. Underwood

Your note and the lists of names of Hepaticae came in due course. I thank you very much for your trouble but hope that the interest of seeing collections from our immense region to the north may be some compensation. I will be in the eastern Rocky Mountains next July or August and hope to get some of those species you ask for. All I get will be sent you.

You wished for the localities for the following numbers. They are all from Vancouver Island.

Nos. 52, 84, 69 Ravine at Goldstream. Nos. 31, 30, 36 & 82 Parson's Mountain, Nos. 7, 9, & 13 near Victoria. 45 & 66 Shawnigan Lake, 91 Mount Benson. Nanaimo 84 & 103 Rest Bay. Comox.

I am now sending a series which ends all the material I have. The nos. range from 158 – 197. You have had them all before either once or twice but did not report on them.

I am glad the Mosses and Lichens suit you. I was not sure how to send the bill but made it out against the College. Wishing you a pleasant European trip I remain

Yours sincerely John Macoun

L. M. Underwood Ph.D.
Greencastle Inda.

April 25th 4

Dear Dr. Anderson

Your note and the list of names of Hepatics came in due course. I thank you very much for your trouble but hope that the interest of seeing collections from our immense region to the north may be some compensation. I will be in the western Rocky Mountains next July or August and hope to get some of the Hepatics you ask for. All I get will be next year.

Have worked for the localities for the following numbers. They are all from Vancouver Island.

Nos. 57, 54, 67 Goldstream at Goldstream. Nos. 31, 30, 26 & 32 Benson's Mountain, Nos. 7, 9 & 13 near Victoria 45 & 66 Shawnigan Lake, 91 Mount Benson, Nanaimo & 103 ... Bay, Comox.

I am now sending a series which include all the material I have. The nos. range from 108-197. You have had them all before either once or twice but did not report on them.

I am glad the names and localities suit you. I was not sure how to send the list but made it out against the catalogue. Wishing you a pleasant summer trip I remain

Yours sincerely

John Macoun

To Mr. ...
...

My dear Sir April 28th

Your note of the 21st inst. came in due time. I would have answered at once but waited to hear from Mr. Low. This morning I saw Dr. Selwyn and showed him your letter. He told me you had written him and that he would write you today and give you the latest news from Mr. Low, which came yesterday. The Dr. in his letter will tell you exactly what Mr. Low has already done and proposes to do.

The only information I can give you is perhaps only advice. Our experience collecting plants in wet districts has been very extensive. I collect all Cryptogams & below ferns when they are _wet_. Arrange the specimens and press them over night. I then spread out a waterproof sheet and put the _wet_ sheets of specimens on it, put either sticks or stones on them until they are _dry_. I press them once more and put them away. All our _driers_ are _dried_ at the camp fire even in a rain storm, as the sun and wind do not dry papers _dry enough_ to _cure_ the plants.

Very truly yours
John Macoun

Prof. Chas. E. Hite
3606 Chestnut St.
Phila. Pa.

April 28th

My dear Sir

Your note of the 27th inst. came in due time.
I should have answered at once but waited to hear from
Mr. Rose. This morning I saw Dr. Gray and showed
him your letter. He tells me you had written him and
that he would write you today and give you the latest
news from Mr. Rose, which came yesterday. The Dr.
in his letter will tell you exactly what Mr. R. has
already done and purposes to do.

The only information I can give you is perhaps
only advice. Our experience collecting plants in our
district has been very extensive. I [illegible] you
to [illegible] where they are not. Arrange the speci-
mens and press them over night. I then spread out
a [illegible] and put the next [illegible] of speci-
mens on it, put either [illegible] on them until they
are dry. I [illegible] them once more and put them away.
[illegible] are dried at the [illegible]
a [illegible] as the [illegible] and [illegible]
dry enough to [illegible].

Very truly yours
[illegible]

Prof. [illegible]
3400 [illegible] St.
Phila. Pa.

April 28th .

My dear Sir.

I send enclosed the list of the plants sent in your parcel. The more interesting ones are Astragalus triphyllus, Hedysarum Mackenzii and Aster ptarmicoides var. lutescens.

I leave here for Alberta four weeks from today and will be collecting there all summer. My Post Office address will be Medicine Hat for sometime. If you send anything to me there pay the postage as none is allowed in the field. Just number your specimens and lay them between fold of newspaper and put on a stiff cover and they will come all right. Seeds will do to name.

I purpose being at Indian Head in September and will see you then and name all your specimens. You might let Mr. David Macoun what I have written you.

Very truly yours
John Macoun

Mr. F. G. Marwood
Indian Head
Assa.
N. W. T.

April 25th .

My dear Sir.

I duly received the copy of the [illegible] your

journal. The more interesting ones are [illegible]

[illegible] Hymenoptera [illegible]

[illegible].

I [illegible]

[illegible]

[illegible]

If you need anything [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Very truly yours

[illegible]

Mr. [illegible]

[illegible]

[illegible]

List of Mr. Macleod's Plants collected 18[illegible]

1 Pentstemon gracilis
2 Astragalus adsurgens
3 Potentilla Pennsylvanica var. strigosa
4 Geum triflorum
5 Astragalus triphyllus
6 Thermopsis rhombifolia
7 Arctostaphylos uva-ursi
8 Peucedanum villosum
9 Astragalus caryocarpus
10 Oxytropis Lambertii
11 Cerastium arvense
12 Vesicaria Ludoviciana
13 Comandra umbellata
14 Castilleia sessiliflora
15 Astragalus Missouriensis
16 Actaea spicata var. rubra
17 Hedysarum Mackenzii
18 " boreale
19 Viburnum pauciflorum
20 Astragalus hypoglottis
21 Smilacina stellata
22 Astragalus gracilis
23 Senecio integerrimus
10(x) Spiraea salicifolia
24 Lithospermum angustifolium
25 Astragalus bisulcatus
99 Glycyrrhiza lepidota
90 (x) Silene inflata (Introduced)
226 Arabis Holbællii
100 Parnassia palustris
(?)(x) Cornus stolonifera
The same plant is the one sent. It is also [illegible] the [illegible].

The potato found [illegible] in good order and the date is particularly fine. J.M.

List of the Members Names

[illegible]

1 [illegible]
2 [illegible]
3 [illegible]
4 [illegible]
5 [illegible]
6 [illegible]
7 [illegible]
8 [illegible]
9 [illegible]
10 [illegible]
11 [illegible]
12 [illegible]
13 [illegible]
14 [illegible]
15 [illegible]
16 [illegible]
17 [illegible]
18 [illegible]
19 [illegible]
20 [illegible]
21 [illegible]
22 [illegible]
23 [illegible]
[illegible] [illegible]
24 [illegible]
25 [illegible]
26 [illegible]
[illegible] [illegible]
[illegible] [illegible]

[illegible]

April 20th 4

Dear Mr. Scott,

Your note came this morning and in answer I may say the plant is *Luzula pilosa*.

Spring came very early this year. I notice some of the maples have their leaves half expanded. The maple flowered on the 12th, the Elm on the 18th, the grass was out in the Parliament Grounds on the 20th and the Red Plum has flowered today. By this you will see how you stand in Toronto.

If I mistake not you will find Whitea bone.

I leave for Alberta some weeks from today and will be there until September.

Very truly yours
John Macoun

Mr. William Scott
Science Master
Normal School
Toronto

April 26th 4

Dear Mr. Scott

Your note came this morning and in answer I may say the Plant is [illegible] [illegible].

Spring came very early this year. I notice some of the maples have their leaves fully expanded. The maple flowered on the 12th, the Elms on the 14th, the pears were out in the Ornamental Grounds on the 21st and the Red Cherry has flowered today. By this you will see how you stand in Toronto.

If I mistake not you ask [illegible] here.

I leave for Ottawa some weeks hence and will be there until September.

Very truly yours
John Macoun

Mr. Wilkinson Scott
Science Master
Normal School
Toronto

April 20th

Dear Dr. Thompson

Your note reached me this morning and in answer I may state that there is not the slightest hope of a vacancy on any branch of our staff this year.

Dr. Selwyn has given special instructions to each officer that all expenses must be curtailed and that no additions must be made to the staff under any considerations.

I was glad to learn that your brother was bringing out another edition of his Birds of Manitoba under the auspices of the Smithsonian Institution.

With best wishes
I remain Very truly yours
John Macoun

Arthur A. Thompson M.D.
Cor. Victoria & Lombard St.
Toronto
Ont.

April 20th

Dear Dr. Thompson

Your note reached me this morning and in answer I may state that there is not the slightest hope of a vacancy on any branch of our staff this year.

Dr. Selwyn has given special instructions to each officer that no expenses must be incurred and that no additions must be made to the staff under any consideration.

I was glad to learn that your brother was bringing out another edition of his Birds of Manitoba under the auspices of the Smithsonian Institution.

With best wishes

I remain Very truly yours

John Macoun

Arthur L. Thompson M.D.
Cor. Victoria & Lombard St.
Toronto
Ont.

List of Publications by John Macoun, M.A., F.L.S., F.R.S.C.
1862 – 1892.

1862 On the Physical Character of the East Riding of Northumberland Co. Ont., with a List of Plants found therein.
Annals of Kingston Botanical Society.

1866 Catalogue of Lichens collected in the vicinity of Belleville, Ont.
Canadian Naturalist Vol. III (New series) ff. 58-66

1879 Report on the Botany of the Canadian interior from Lake Superior to the Pacific Ocean.
Report. Can. Pac. Railway ff. 52-99.

1876 Geographical and Topographical Notes on the Lower Peace and Athabasca rivers
Report, Geological Survey of Canada ff. 87-96

Report on the Botanical features of the Country from Victoria, Vancouver Island to Carlton House on the Saskatchewan, by the Fraser and Peace rivers & Lake Athabasca.
Report, Geological Survey of Canada 1875-76 ff. 110-132

1878. Catalogue of the Phaenogamous and Cryptogamous Plants of the Dominion of Canada. Ottawa, pp. 1-92

Synopsis of the Flora of the St. Lawrence Valley and Great Lakes, with descriptions of the rarer plants.
Canadian Journal Vol. XV. pp. 31-66; 161-176; 209-264; 429-435; 545-556.

1877 Sketch of that portion of Canada between Lake Superior and the Rocky Mts. with special reference to its Agricultural Capabilities.
Report, Can. Pac. Railway.

1879 Notes on the Physical Phenomena of Manitoba and the North West Territories.
Canadian Journal (3rd series) Vol. X, pp. 161-168

List of Plants collected by Dr. G. M. Dawson on Queen Charlotte Islands.
Report, Geol. Survey of Canada 1878-79 pp. 219-232

List of Plants collected by Dr. Robt. Bell around the shores of Hudson Bay and along the Churchill and Nelson rivers in 1877 and 1879.
Report, Geol. Survey of Canada 1878-79, pp. 55-60

1880 Extract from a Report of Exploration in the North-West Territories.
Report, Dept. of Interior (1880) pp. 8-40

General remarks on the Land, Wood and Water of the North West Territories from the 102nd to the 115th Meridians and between the 51st and 56th parallels of Latitude.

Report, Canadian Pacific Railway pp. 246-255.

List of Plants collected in the Northern Part of British Columbia and the Peace River Country by Dr. Geo. M. Dawson in 1879

Report, Geol. Survey of Canada 1879-80 pp. 240B-242B

List of Plants collected north of Lake Winnipeg by Dr. R. Bell in 1880 with notes on their distribution.

Report, Geol. Survey of Canada, 1879-80 pp. C 57-C 69.

1880 Report of an Exploration of the Country on the western slopes of Duck and Porcupine Mountains and on the Swan and Red Deer rivers.

Report Dept. of Interior (Pt. 2) pp. 67-87.

Catalogue of the Plants collected by Dr. R. Bell along the Michipicoten River and in the Southern part of the basin of Moose River

Report, Geol. Survey of Canada 1880-81-82 pp. C 53-C 59

1882 Manitoba and the Great North West.
World Publishing Co. Guelph. Ont. pp. 687.

1883. Catalogue of Canadian Plants (Part I)
Polypetalae. pp. 192
Geol. and Nat. Hist. Survey of Canada.

Notes on the Distribution of Northern, Southern and Saline plants in Canada.
Trans. Roy. Soc. Can. Vol. I. pp. 45-48

On the Flora of the Gaspé Peninsula.
Trans. Roy. Soc. Can. Vol. I pp. 127-137

Notes on Canadian Polypetalae.
Trans. Roy. Soc. Can. Vol. I pp. 151-157

1884 Catalogue of the Plants collected by Dr. R. Bell on the Coasts of Labrador, Hudson Strait and Bay. (DD 39 - DD 47)
Report, Geol. Survey of Canada 1882-84 pp.

Catalogue of Canadian Plants (Part II)
Gamopetalae pp. 193-394.
Geol. and Nat. Hist. Survey of Canada.

Canadian Filicineae by J. Macoun and T. J. W. Burgess.
Trans. Roy. Soc. of Canada Vol. II pp. 163-227

1912 Mammalia and the Great North Land.
Nelson Publishing Co. Seattle, Wash. pp. 209

1883. Catalogue of Canadian Plants (Part I)
Polypetalae. pp. 192
Geol. and Nat. Hist. Survey of Canada.

Notes on the Distribution of Northern, Southern
and Western plants in Canada.
Trans. Roy. Soc. Can. Vol. I pp. 49-57

On the Flora of the Gaspé Peninsula.
Trans. Roy. Soc. Can. Vol. I pp. 127-137

Notes on Canadian Polypetalae.
Trans. Roy. Soc. Can. Vol. I pp. 151-153

1884 Catalogue of the Plants collected by Dr. R.
Bell on the Coasts of Labrador, Hudson Strait and
Hudson Bay.
(55DD-64DD)
Rept. Geol. Survey of Canada 1882-84 pp

Catalogue of Canadian Plants (Part II)
Gamopetalae pp. 193-394
Geol. and Nat. Hist. Survey of Canada.

Canadian Filicineae by J. Macoun and
T.J.W. Burgess.
Trans. Roy. Soc. of Canada Vol. II pp. 163-227

1886 List of Plants collected by Dr. Robt. Bell in Newfoundland in 1885

Report, Geol. Survey of Canada 1885 pp. DD11–DD15

1886 Catalogue of Canadian Plants (Part III)

Apetalae. pp. 379–428.

Geol. and Nat. Hist. Survey of Canada

~~Report, Geol. Survey of Canada~~

List of Plants obtained by Dr. G. M. Dawson on Vancouver Island and adjacent coasts in 1885. ~~[illegible]~~

Report, Geol. Survey of Canada 1886 pp. B115–B121

1887 List of Plants collected by Dr. G. M. Dawson in the Yukon District and adjacent northern portion of British Columbia in 1887.

Report, Geol. Survey of Canada, 1887–88 pp. B215 – B229.

1888 Catalogue of Canadian Plants (Part IV)

Endogens. pp. 1–208

Geol. and Nat. Hist. Survey of Canada.

1890 Catalogue of Canadian Plants (Part V)

Acrogens pp. 209–428

Geol. and Nat. Hist. Survey of Canada

1892 Catalogue of Canadian Plants (Part VI)

Musci, pp. 1–295.

Geol. and Nat. Hist. Survey of Canada

April 30th 9

My dear Sir

I was very glad to learn that you had been so successful last year collecting on the Labrador coast. You certainly get little remuneration for your Missionary work and it is high time to lay the subject before the authorities so that some provisions may be made for the spiritual wants of the people.

Since last year I have been writing up our birds and have written nothing further on plant this Part VI. My next Part will be Lichens & Hepaticae but that will not be for some time yet. I am going to make a three years exploration of the Prairie Region before that is done.

Should you issue any sets or centuries of plants remember I am a subscriber for our herbarium. I mean cryptogams — Musci, Lichens, Hepaticae — You are doing wonders in making known the ~~th~~ obscure flora of Labrador and Newfoundland known to ~~botanists~~ I have seen nothing of the list you say Mr Kay is having printed.

If you sent the Sphagna they did not reach me. Last spring they refused to deliver anything coming from Newfoundland that was without duty previously they may have stopped them in the absence of my ...

April 30th

My dear Sir

I was very glad to learn that you had been so successful last year collecting on the Alabama coast. Your material is just little recommendation for your Mississippi work and it is highly desirable to get material before the collecting or what some provisions may be made for the systematic work of the [illegible].

Since last year I have been working up our birds and have another exhibiting question on [illegible] Part VI. My next Part will be Lichens & Hepaticae but that will not be for some time yet. I am going to make a thorough exploration of the [illegible] Region before that is done.

Should you come any new collection of plants remember I am a subscriber for our publication.

I mean Cryptogamia — Musci, Lichens, Hepaticae — You are doing much in making known the [illegible] flora of Alabama and Mississippi. However I should I have seen nothing of the list you say Mr. Mohr(?) is very particular(?).

[illegible]

2

and now. I was absent in Vancouver Island all last summer and my one man in Europe on the Behring Sea Business so that there was no one in the office.

I will see Mr McKay in the course of a month and will bring the matter of your list before him and find out what has been done with your list.

Do come and let me have a correctly named set of your Mosses & Lichens but see that they are properly named and fair specimens — not scraps.

Should you ever visit this city I will be very pleased to meet you and will try and make your visit pleasant and profitable.

Very sincerely yours
John Macoun

Rev. A. C. Waghorne
Bay of Exploits
Newfoundland

Answering

2

and here. I was absent in Vancouver Island on last Wednesday and my son was in Europe on the following [illegible] so that they are now in the office.

I will see Mr. Kay in the course of a month and ask him the matter of your lot before him and find out what has been done with your lot.

[illegible] and let me have a correct amount of your [illegible] but in that they are [illegible] and fair [illegible] — not enough.

Should you ever visit this city I will be very pleased to meet you and ask that you make your visit pleasant and profitable.

Yours sincerely
[illegible] Mc[illegible]

Rev. A. C. McPherson
[illegible]
[illegible]
Ontario

April 28th 4

My dear Sir

Your letter of the 10th inst. came some time since and as I am unable to read German I had it translated to me. I am very glad to learn that you are sending such a fine set of northern mosses and when they come I am sure I will prize them very highly.

In return I will send you a packet containing about 600 species of our Cryptogams which I have been distributing as exsiccatae. The Mosses have chiefly been named by Prof. Lindberg of Linköping of Sweden.

My son Willie is my assistant and Curator of the Herbarium is getting our immense stock of Canadian Phaenogams in order to distribute and will send you a large consignment during this summer.

I am leaving here in four weeks for our Prairie Regions where I will be collecting all summer but will write you before I leave. My son will answer any letters you may write and I hope we may make a series of exchanges that may be profitable to both of us.

I remain yours
Very truly
John Macoun

Prof. Fredrik Elfving
Botanic Gardens
Helsingfors
Finland

April 28th "

My dear Sir

Your letter of the 10th inst. came some time since and as I am unable to read German, I had it translated to me. I am very glad to learn that you are making such a fine set of northern mosses and when they come at some time I will prize them very highly.

In return I will send you a packet containing about 400 species of our Canadian mosses which I have been distributing as exsiccati. The Mosses have chiefly been worked out by Dr. Kindberg of Linköping, Sweden.

My son [illegible] is my assistant and curator of the Herbarium is getting our numerous [illegible] of Canadian Phanerogams in order to distribute and will send you a large consignment during the summer.

I am leaving here in four weeks for our Pacific Region where I will be collecting all summer but will write you before I leave. My son will answer any letters you may write and I hope we may make a series of exchanges that may be profitable to both of us.

I remain yours

Very truly

John Macoun

Prof. Friedrich [illegible]
[illegible]
[illegible]
[illegible]

2nd 4

My dear Madam

Your letter of April 27th came in due course. In answer to a post place find No. 588 and with it a specimen of Physcomitrium megalocarpum from near Victoria. Have you a specimen of P. pyriforme from near Windsor Ont.?

I cannot see what Kindberg thinks will become of his names. He is now at work on Bryum and I am sure he has changed many of his old names without giving any reason except perhaps a mental one. I have many names he has dropped for no apparent cause as you will see by Part VI. Whether he has a right or not he does change the names.

Should you desire any specimens of Pottia just say so and I will send them down. I have what Kindberg calls true P. truncatus as you will see by Part VI. I have P. Heimii from Behring Sea and some others which might be interesting.

I leave for the west in three weeks and will be absent all summer. My son will be here and will attend to any matters relating to botany which either you or Doctor Britton may desire to ask him about. He has sole charge of the Herbarium

2

away — [illegible] [illegible] [illegible] [illegible].

I was exceedingly sorry to hear of the serious illness of Dr. Ramsay. I may say that he and Mr. Hardy are the last links of the chain of [illegible] men who worked with me when I was young.

When I think of Perry, Carey, [illegible], [illegible], [illegible], Gray, [illegible], [illegible] [illegible], [illegible], [illegible], Ramsay and others with whom I have [illegible] and within the last 50 years I begin to realize that I am getting old and that I shall soon pass away and give place to others and that my work will be done whether [illegible] [illegible]. Yet with this before me I am about to enter on a three years job — to work up the [illegible] History of our [illegible] again.

Wishing you and Mrs Baillie a pleasant summer and lots of [illegible] work, I remain

Very truly yours

John Warren

G. A. Baillie

[illegible]

[illegible]

May 2nd

Dear Mr. Hill

I was reminded this morning by the receipt of your letter with the specimens of Erythroniums and Trilliums that you had written about the first three Parts of the Catalogue, which goes you to stay.

I do hope you may get the bulbs when they are fairly grown. The best plan to adopt is to have them dry up without water and then put in damp moss in a cigar box and addressed to James Fletcher at the Experimental Farm. He will see to it that they are properly looked after.

The coming summer I am going to spend in Alberta and will leave here in three weeks. Address me if necessary at Medicine Hat.

Mr. Wheeler and family are well. He is going to Alberta also but will be in charge of a Survey party. He seems well pleased with his change of base. Clara seems delighted to be with a [illegible] her mother. Mrs Macoun is having a good time and between bulbs, tea and other functions has a busy [illegible]

Very truly yours
John Macoun

[illegible]

May 2nd

Dear Mr. Hill

I was reminded this morning by the receipt of your letter with the specimens of [illegible] and [illegible] that you had written about the fruit then [illegible] of the [illegible]
which [illegible] for [illegible]

I [illegible] you may get the bulbs when they are fairly grown. We have [illegible] to [illegible] is to have them [illegible] written matter and then put in charge more [illegible] and [illegible] by [illegible] Sketches of the Experimental Farm. He [illegible] that they are [illegible] [illegible] etc.

This morning tomorrow I am going to spend in [illegible] and [illegible] here in three weeks. Address me [illegible] at Madison Wis.

Mr. [illegible] and family are well. He is going to [illegible] [illegible] in charge of a [illegible] party. We [illegible] not pleased with this change of [illegible]. [illegible] [illegible] to [illegible] [illegible] the [illegible] [illegible] is having a good [illegible] and [illegible] [illegible] and [illegible] your [illegible] have a [illegible]

Very truly yours
[illegible]

[illegible]
[illegible]
[illegible]

54 Calypso borealis
55 Fritillaria lanceolata
56 Claytonia perfoliata
57
58
59
60
61
62
63
These are wanting

88 Carex Pennsylvanica var. vespertina
89 Centaurea tenella
90 Achillea Millefolium (Hairy form)
91 Mutilliana ensiformis

64 Cerastium arvense
65 Nepeta Glechoma
66 Ranunculus occidentalis var. tenellus
67 Ranunculus orthorhynchus
68 Castilleia parviflora
69 Castilleia miniata
70 Maianthemum bifolium
71 Claytonia linearis
72 Calandrinia Menziesii
73
74 Clintonia grandiflora var. gracilis
75 Eriophyllum caespitosum
76 Cerastium Torreyi
77 Nemophila parviflora
78 = 77 a rock form.
79 ~~Nemophila~~ parviflora Berberis Aquifolium
80 Stellaria media
81 Aphyllon uniflorum
82 Claytonia parviflora (This species is very flowery)
83 Viola Lyallii
84 Ribes divaricatum
85 Camassia Leichtlinii
86 Saxifraga integrifolia
87 Lizaka carnea Nut.

My dear Sir
May 5/91
You ask me to tell you the meaning
Also find the name of the specimen
The Claytonia as well as the Hoffmanii
but I never knew as any of this
Very truly yours
Father Mercier

54 Calypso borealis
55 [illegible] lanceolata
56 [illegible]
57 88 [illegible] var. [illegible]
58 89 [illegible]
59 90 Achillea Millefolium (hairy form)
60 91 [illegible]
61
62
63
64 [illegible]
65 [illegible]
66 Ranunculus occidentalis var. [illegible]
67 Ranunculus orthorhynchus
68 Castilleia parviflora
69 Castilleia miniata
70 [illegible]
71 Claytonia [illegible]
72 Calandrinia Menziesii
73
74 Claytonia parviflora var. [illegible]
75 [illegible]
76 [illegible] Douglasii
77 [illegible]
78 [illegible]
79 [illegible]
80 [illegible]
81 [illegible]
82 [illegible] (this appears in [illegible])
83 [illegible]
84 [illegible]
85 [illegible]
86 [illegible]
87 [illegible]

May 5/96

My dear Sir

Yours note and the boxes came this morning. Please find the names of the specimens. The Claytonias are still in a doubtful state but I cannot throw [illegible] on in my [illegible]

Very truly yours
Thos Meehan

Ottawa May 7th 4

Dear Sir

I have several hundred sheets of specimens ready to send you but cannot ship them until we have received an acknowledgement of those sent you early in the winter. There is a departmental regulation which makes it necessary that books and specimens should be acknowledged before others are sent to the same address, besides I do not know whether the packets went safely and do not like to send others until I hear from you.

My father leaves for the west in about two weeks and will spend the summer on the plains. I shall for the first time in many years remain in the office, I have much routine work to do and want too to write an exhaustive paper on the flora of the islands in Behring Sea.

Yours Sincerely
Jas. M. Macoun

Dr. Wm. Carruthers
Natural Hist. Museum
Cromwell Road
London

Ottawa May 7th 4

Dear Sir

I have several hundred sheets of specimens ready to send you but cannot ship them until we have received an acknowledgment of those sent you early in the month. There is a departmental regulation which renders it necessary that both our specimens should be acknowledged before others are sent to the same address, besides I do not know whether the packets went safely and do not like to send others until I hear from you.

My father leaves for the West in about two weeks and will spend the summer in the [illegible]. I shall for the first time in many years remain in the office, I have much routine work to do and want to make an extensive [illegible] of the Flora, the [illegible] in [illegible].

Yours Sincerely

Jno. M. Macoun

Dr. W. Carruthers
Natural Hist. Museum
Cromwell Road
London

Ottawa May 7th 9

Dear Sir

I send you to-day a packet of plants containing a set of my father's Van. Island grasses, and a few other Canadian plants which were got out by my father last year for you. As before I include a few European plants in the packet which if of no use to you can be given to some other herbarium. I also send a set of my father's 1893 *Polygonums* for Mr. Small. Would you kindly ask him to advise me of ~~[illegible]~~ any change he may make in my determinations!

I know from Mrs. Britton's letters that you are very busy and I can wait for replies to my queries until you are at leisure. I would be very thankful however if you could answer soon my question about *Ranunculus Pensylvanicus* and R. hispidus or ? as I have a paper on "~~[illegible]~~" Contributions to Canadian Botany ready for the press and am holding it only to get *Ranunculus* straightened out. I have been very busy this winter but like you am going to make no trips this summer so hope to get things straightened out before next autumn.

Yours sincerely
Jas. M. Macoun

Dr. N. L. Britton
Columbia College
New York.

Please let me know if you consider any change for my ~~[illegible]~~ determinations.

Ottawa Nov 7th

Dear Sir,

I send you to-day a packet of plants containing a set of my father's Van. Island grasses, and a few other Canadian plants which were got out by my father last year for you. As before I include a few [illegible] plants in the packet which if of no use to you can be given to some other botanist. I also send a set of my father's 1885 [illegible] grasses for Mr. Scribner. [illegible] you kindly ask him to [illegible] [illegible] any changes he may make in my determinations!

I know from Mr. [illegible]'s letter that you are very busy and I am sure you will be [illegible] [illegible] at present. I would be very thankful however if you could answer [illegible] question about Ranunculus [illegible] [illegible] as a [illegible] in "Catalogue of Canadian Plants" ready for the press and am looking to get Ranunculus [illegible] out. I [illegible] have very [illegible] [illegible] but [illegible] I am going to make one trip this summer [illegible] to get [illegible] [illegible] and before next [illegible].

Yours sincerely

Jas. M. Macoun

Dr. N. L. Britton
Columbia College
New York.

[illegible]

May 7th 4

Dear Dr. Merriam

Your three letters with all the specimens arrived safely today and Saturday. I thank you very much for your trouble and assure you that all the material will remain here until your return to Washington next winter when if you wish for any or all of it and the year's collecting, the whole will be sent down to you.

Should you be able to prepare a special report on our Mammals next winter I see no reason why we could not print it with our series as you suggest.

My man has been at Medicine Hat for a month and besides birds has obtained specimens of the White footed Mice which are much lighter in color than any we had before. He has also obtained a Horned Toad. We will collect many birds and eggs and indeed all kinds of specimens of Natural History. I intend to spend at least three summers on the prairie and do it up properly. Lat in the summer I will go into the Milk River country and get the more southerly animals.

I will see that the mammal skins are better prepared next season and will send a copy of your directions

May 1st

Dear Dr. Merriam

Your three letters with all the specimens arrived safely today and Saturday. I thank you very much for your trouble and assure you that all the material will remain here until your return to Washington and will then if you wish be away or all of it and the years table though ~~will~~ the whole will be sent down to you.

Would you be able to prepare a special report on your Mammals next winter I see no reason why we could not print it with our series as you suggest.

My man has been at Mackenzie that for a month and besides birds has obtained specimens of the little [illegible] which are much lighter in color than any we had before. He has also obtained a [illegible] [illegible]. He will collect many birds and eggs and indeed all kinds of [illegible] of natural history.

I intend to spend at least three summers on the prairie and one of my brothers [illegible] the summer I will go with the [illegible] County and [illegible]

[illegible]

I wish [illegible] that the [illegible] [illegible]

2

to any man. I am sorry to say that our money will be limited this year so that one man and myself will do all the field work.

Later in the season I will write and let you know how we are getting on. I will also give you a list of the smaller Mammals collected up to date.

[illegible] sorry to hear of your illness and hope it is but temporary. My own health is excellent and am calculating on a successful summer. I have to remain here for the meeting of the Royal Society which takes place on the 22nd. I leave for the west on the 26th. My address for sometime will be Medicine Hat but any letter coming here will be forwarded to me.

I have a horned toad from Medicine Hat so you see we have a warm summer there.

Very sincerely yours
John Macoun

Dr. C. H. Merriam
Division of Mammalogy
Washington
D. C.

to any means. I am sorry to say that our survey will be limited this year so that our men and myself will be on the field work.

Under sic in the season I will write and let you know how we are getting on. I will also give you a list of the smaller Mammals collected up to date.

I am very sorry to hear of your illness and hope it is but temporary. My own health is excellent and am calculating on a successful summer. I leave the Dominion for the meeting of the Royal Society which takes place on the 22nd. I have to be there on the 26th. My address for six months will be Medicine Hat but any letter coming here will be forwarded to me.

I have a thousand [illegible] Medicine Hat so you see we have a warm summer there.

Very sincerely yours
John Macoun

Dr. C. H. Merriam
Division of Mammalogy
Washington
D.C.

May 8th 4

My dear William

Your letter came this morning and write this
I send the labels or tags you ask for. When you write again
let me know how many tags you have.

I send you a letter of Dr. Merriam in which you
will see how his collectors make up their mammal skins.
I want you to peruse the letter and as soon as you
get this procure some wire and stretch out the feet
as he mentions.

I sent down many of the skins to Dr. Merriam
and have got them back. We have six forms of white-
footed mice. The Bow Ridge specimens are one. The
Indian Head ones are another. The Columbia River
ones another, and those from Spences Bridge another
those from Burrard Inlet and Victoria another and lastly
those from Agassiz. The very light colored mouse
from Indian Head is the Grasshopper Mouse which
was not collected north of the boundary before.

Very truly yours
John Macoun

Mr. William Spreadborough
Medicine Hat
Alta.

May 9th

My dear Wilkinson

Your letter came this morning and with this I send the Labels you ask for. When you write again let me know how many traps you have.

I send you a letter of Dr. [illegible] in which you will see how his collector make up their [illegible]. I want you to [illegible] the letter and as soon as you get [illegible]

[illegible]

[illegible]

[illegible]

May 8th 4

My dear Madam

Your letter came yesterday and in answer I send today three specimens of Scarlatina. Two were named L. Mucilis. The one from Rendlittle is part of my mounted specimen and belongs to the same lot that your specimens came from but was higher up on the rock and hence not so dirty. The one from Goldstream was collected last year and named by Hindberg. There can be no possibility of mixing as the species is local and there is seldom or ever collected twice on the same trip. When I collected No 558 I was sure I had true aquatica as my dirty specimens were exactly like Ammermann's specimen. I send parts of both my specimens that Hindberg named L. Aquatica so that you may judge for yourself whether or not all are aquatica or not.

From your letter I gather that Dr Murray is dead. I am very sorry to hear it but feel that it is the way we all have to go sooner or later.

All four specimens were named by Hindberg.

Very truly yours
John Macoun

I am with difference

Mrs E. G. Britton

May 8th

My dear Madam

Your letter came yesterday and in answer I
send today the specimens of [illegible]. You are
named as [illegible]. We are [illegible] is part of
my [illegible] specimens and belongs to the same lot
that your specimens came from but are light of
the [illegible] and [illegible]. We are [illegible]
are [illegible] last year and named by [illegible]. There
[illegible] impossibility of [illegible] as the [illegible] is
[illegible] and there is [illegible] as [illegible]
[illegible]. [illegible] collected in 1878 I [illegible]
that the Agaricus as my [illegible] specimens [illegible]
the [illegible] [illegible]. I send [illegible]
specimens that [illegible] named as Agaricus so that
you may judge for yourself whether or not we
are [illegible] or not.

[illegible] your letter I [illegible] that [illegible] is
[illegible] I [illegible] it [illegible] that [illegible]
the [illegible] more [illegible] in letter.
All [illegible] specimens were named by [illegible]
I am with [illegible] [illegible]

Ottawa May 8th [illegible]4

Dear Mr. Coville

I send you to-day a packet of botanical specimens principally from Vancouver Island. As I have told you often before all the return we want for the plants sent you is that when either you or any of your assistants detect specimens wrongly determined you will advise me of such corrections as you think ought to be made.

Some weeks ago my father told me to send you his last century of mosses and lichens and I was under the impression that it had been sent but as you have not yet acknowledged its receipt perhaps I neglected to mail it. Will you kindly tell me whether it reached you? If not it will be sent at once. My father leaves for the west in about two weeks and he wishes to get the mosses all distributed before he goes away. I shall have another packet of plants for you soon.

Yours sincerely
Jas. M. Macoun

F. V. Coville Esq.
Dept. of Agriculture
Washington D.C.

Ottawa May 8th 4

Dear Mr. Coville

I send you to-day a packet of botanical specimens principally from Vancouver Island. As I have told you often before all the return we want for the plants sent you is that when either you or any of your assistants detect specimens wrongly determined by us, you will [illegible] of such corrections as you think ought to be made.

Some weeks ago my father asked me to send you his last catalogue of Mosses and Lichens [illegible] I was under the impression that it had been sent but as you have not yet acknowledged the receipt perhaps I neglected to send it. Will you kindly let me know whether it reached you? If not it [illegible] be sent at once. My father leaves for the west in about two weeks and he wishes to get the [illegible] names distributed before he goes away. I shall have another packet to place in [illegible] for you soon.

Yours sincerely
J. M. Macoun

F. V. Coville Esq.
Dept. of Agriculture
Washington D.C.

May 10th

My dear Madam

Your letter came this morning. I thank you for the specimen of the new Lescuraea you sent and was puzzled at once. It looks different from any of mine. I confess that to me all my Lescuraeas are the same and if I had been distributing them I would have kept them all together. My [illegible] specimen must have been gathered precisely on the same rocks that [illegible] obtained it on. I sent a few bits yesterday but send all my specimens today. I have read your letter over again and am still of the opinion that one variable species will be your final decision. Remember that your specimen of No. 538 and my mountain specimen were from the same rock but mine was above flood mark early in May and yours was lower down and covered longer with the muddy water.

Kindberg named the Columbian specimen L. Macounii the past winter and it must be identical with the one sent to him as all were gathered at the same time.

Very truly yours
John Macoun

Mrs. E. G. Britton
Columbia College.

May 10th

My dear Madam

Your letter came this morning. I thank you for the specimens of the new [illegible] you sent. It looks different from any of mine. I confess that [illegible] at any [illegible] on the [illegible] and if I had been [illegible] them, I would have kept them all separate. My [illegible] specimens may have been [illegible] on the same rock that [illegible] obtained it on. I sent you [illegible] late yesterday but sent all my specimens today. I have read your letter over again and [illegible] that we might speak [illegible] you [illegible]. Remember that your specimens of No. 558 and my [illegible] specimens came from the same rock but mine were [illegible] weeks [illegible] in May and yours [illegible]

[illegible]

Dear Dr Britton

Your letter and the parcel came today. My son is writing you regarding certain matters. We can send you the Carex I may get more of it this year but am sure to get it next year as I work out on the prairie. This season I will spend exclusively in Alberta which is the Province nearest to the Rocky Mountains. I return the two little plants today they go with some more I am sending Mrs Britton. Keep the specimens as I have more of them.

I agree with you that the Dillenia is quite interesting. It seems to me as in the case out far away I found sea weeds that do not seem to come north of Wood's Holl. We have much to learn yet about plant distribution.

I am much cut up about the death of Dr Morong. When lately gone I am the only one left of those who were working 40 years ago when I began to collect. This summer I enter on a new field this season and hope to live long enough to finish it. We can send you many fine things next winter.

Very truly yours
John Macoun

Prof. N. L. Britton
Columbia College

P.S. When I was writing Part IV I had great times with Prof. Bailey. He wanted to make things the same but lately he has changed his ideas and on nearly all points I agree with him. Your answer to Mr. Cobb is about perfect. I want every form to have a name.
J. M.

Dear Dr. Griffin

Your letter and the juice came today. [illegible] is nothing from regarding certain matters. We are [illegible] send you the [illegible] I may get some of it this year but [illegible] this [illegible] I will spend [illegible] in Alberta which is the Province nearest to the Rocky Mountains. [illegible] the [illegible] little plants [illegible] for [illegible] from Griffin. [illegible] the specimens as I have none of them.

I agree with you that the [illegible] is quite interesting. [illegible]

[illegible]

Ottawa May 11th 9

Dear Sir

Your letter of May 8th and the packet of plants were received this morning. The specimens especially the Cyperaceae are very acceptable and fill many blanks in our herbarium besides adding to our store of correctly named specimens. My most serious trouble is lack of specimens that we are sure are not wrongly named.

Many thanks too for the determination of the specimens sent you. I must trouble you again about the Tillaea as I wish to get the synonymy right. You say Tillaea aquatica L. = Tillaea angustifolia, Nutt. Does Tillaea aquatica L. = T. simplex Nutt. My fathers specimens seem to me nearer the description of T. simplex than T. angustifolia and the latter so far as our specimens show is a west coast plant, my fathers specimens being of ~~course~~ course from the Atlantic. I have nothing at hand later than Torrey & Gray's flora and would be thankful if you would give me the full synonymy of T. aquatica.

The little plants from Comox will be returned today in a packet of plants sent. Mrs. Britton, it was intended that you should keep them, as we never want unmounted specimens back unless they are asked for.

Ottawa May 11th [illegible]

Dear Sir

Your letter of May 8th and the packet of plants were received this morning. The specimens especially the Cyperaceae are very acceptable and [illegible] many plants to our herbarium besides adding to our store of correctly named specimens. My most serious trouble is lack of specimens that we are sure are not wrongly named.

Many thanks too for the determinations of the specimens sent you. I must trouble you again about the Tillaea as I wish to get the synonymy right. Now does Tillaea aquatica L. = Tillaea angustifolia, Nutt. or does Tillaea aquatica L. = T. simplex Nutt. My [illegible] specimens seem to me nearer the description of T. simplex than T. angustifolia and the latter so far as our specimens show is a west coast plant, my [illegible] specimens being of course from the Atlantic. I have nothing at hand but [illegible] Torrey & Gray Flora and would be thankful if you would give me the full synonymy of T. aquatica.

The little plants from Canary were to be returned to you in a packet of plants sent Mr. Britton, it was intended that you should have them, [illegible] specimens [illegible] they are [illegible]

Dr. N. L. Britton
Columbia College
New York.

The specimens — species etc — to which you refer have been already sent you. Do you want Carices at once? If so I shall get out at least a partial set for you now though I would rather postpone it for a few weeks. I can give you Carex [illegible] Bail. and in fact almost all the Carices mentioned in my [illegible] Catalogue but this will take time. Holm has the Vancouver Island Carices of 1893 but has not yet reported on them, our other collections have been determined by Bailey and Bennett. I was glad that you are working up Carex as some of our specimens are still in an unsatisfactory state.

I have begun a re-examination of our whole collection of Canadian Plants and have finished through the Cruciferae; the result of this will be to greatly extend the limits of many of your species. My notes will be published in the Canadian Record of Science, which contains [illegible] of a preliminary paper and a second paper [illegible] has been printed and the rest is now in the press, in this one the [illegible] together systematically. I shall send you the two together as soon as the second is ready, and I shall be pleased to have you criticise anything you think wrong as my principal object in [illegible] is to make corrections in earlier writers

Yours truly,
Jas. M. Macoun

May. 12th [illegible]

My dear Sir

Your note of a later date reached me this morning. The plants sent are Claytonia Sibirica L. The Lonicera is L. Utahensis, Watson. The Anemone is A. ~~[illegible]~~ Lyallii, Britton. I have called this species A. nemorosa var. and A. Oregana but now it is as above. The Liliaceous thing is Disporum Oregana Wat.

They are all Pacific Coast species and are very interesting on that account.

The [illegible] was found by me at Port Hope but I do not remember seeing it at Agassiz although I may have seen it. There is only one species. In "woods" may do as a general statement for its habitat but woods, thickets and by old fence borders would cover all the ground as I have it from all these situations.

Very truly yours
John Macoun

[illegible] H. Lawton
Agassiz
B.C.

May 12th

My dear Sir

Your note of a late date reached me this morning. The plant sent me Claytonia sibirica L. The [illegible] is [illegible]. The [illegible] is [illegible]. I have seen this species [illegible] and the [illegible] not [illegible]. The [illegible] is [illegible] Oregano [illegible].

They are all Pacific Coast species and are very interesting in that account.

The Orchids were found by me at Oak Ferry but I do not know the [illegible] of any species although I may have seen it. There is only one species, the [illegible] may be as [illegible] for its habitat, but woods, thickets and by old fence borders around here [illegible] at [illegible] of them at [illegible].

Very truly yours

[illegible]

Wm. H. [illegible]

May 14th

My dear Sir

The ground came this P.M. but no letter.

I just send you the names of the specimens.

1 [illegible] [illegible], Tn.
2 [illegible] [illegible] = 14 Bn.
3 " [illegible], [illegible]
4 " var. [illegible], [illegible].
5 [illegible] [illegible] = 9 + 10 Ach.
6 [illegible] [illegible] var. [illegible], [illegible].
7 [illegible] [illegible] [illegible] [illegible], [illegible].
8 [illegible] [illegible], [illegible].
11 [illegible] [illegible], [illegible].
12 [illegible] [illegible], Fr.
13 [illegible] [illegible], Fr.

I am leaving here for the west in a week and send nothing more until the fall.

Very truly yours
John Macoun

[illegible] [illegible]
[illegible]
[illegible]

May 14th [illegible]

My dear Sir

The [illegible]

I just send you the names of the specimens:

1 [illegible]
2 [illegible] = 14 [illegible]
3 " [illegible]
4 " " [illegible]
5 [illegible] — 9+10 [illegible]
6 [illegible]
7 [illegible]
8 [illegible]
11 [illegible]
12 [illegible]
13 [illegible]

[illegible]

[illegible]

May 14th [illegible]

My dear Sir

Your letter of the 8th inst. came in due time and I hasten to answer it. I will be leaving now in a few days. My man has been at Medicine [illegible] since early [illegible] and will move to [illegible] [illegible] other point at once as the [illegible] [illegible] [illegible] arriving. We will try to get all the [illegible] [illegible] [illegible] house will be [illegible]. We will exchange [illegible] [illegible] I am anxious to get a good [illegible] [illegible] of Canadian [illegible]. You will understand [illegible] [illegible] are this year [illegible] of our work. [illegible] to the Department. I am at liberty and [illegible] [illegible] to exchange them for others.

[illegible] you send me a set of [illegible] and papers. My man [illegible] but we may work in different places at the same time. I will leave here for [illegible] [illegible] the 20th. My address will be known here all [illegible] [illegible] [illegible] will be [illegible] by my [illegible]. Any letters sent here will be [illegible] to Medicine [illegible] [illegible] away and will find me.

Yours truly [illegible]

[illegible] [illegible] [illegible]

Ottawa May 16th 1889

Mr. A.R.C. Selwyn C.M.G.
Director Geol. Dept.
Dear Sir

Please find below below a list of trees used in carriage-building with notes on their size, abundance, strength, weight &c. &c. I only include the woods found east of Lake Superior as those of British Columbia are mentioned on a separate sheet.

1 Tulip Tree. Whitewood. (Liriodendron Tulipifera, Linn.)
South western Ontario. Becoming scarce. A large tree from 20 to 30 meters in hight. Wood light, soft, not strong, very close straight-grained, compact, easily worked. Used for carriage seats, backs &c.
Weight Per cub. ft. 26.36 Specific gravity 0.4230

2 Basswood or Linden (Tilia Americana, Linn.)
Abundant in New Brunswick, Quebec and Ontario. A large tree 20 to 24 meters in hight, and from .30 to 1.30 in diameter.
Wood light, soft, not strong, very close-grained, compact easily worked. Used for the panels and bodies of carriages.
Weight Per cub. ft. 28.20 Specific gravity 0.4525.

3 Sugar Maple. (Acer saccharinum, Wang.)
Abundant in the maritime provinces, Quebec and Ontario.
A large tree 24 to 30 meters high with a trunk from .30 to 1.20 meters in diameter. Wood heavy, strong, tough, close-grained, compact, susceptible of a good

Ottawa May 16th 1881

Dr. A. R. C. Selwyn, C.M.G.
Director Geol. Survey
Dear Sir

Please find here below a list of trees used in carriage-building with notes on their range, abundance, strength, weight &c. I only include the woods found east of Lake Superior as those of British Columbia are mentioned on a separate sheet.

1 Tulip Tree. Whitewood. (Liriodendron Tulipifera, Linn.) South western Ontario. Becoming scarce. A large tree from 20 to 30 metres in height. Wood light, soft, not strong, very close straight-grained, compact, easily worked. Used for carriage work, &c. Weight per cub. ft. 25.25 Specific gravity 0.4230

2 Basswood or Linden (Tilia Americana, Linn.) Abundant in New Brunswick, Quebec and Ontario. A large tree 20 to 24 metres in height, and from .90 to 1.20 in diameter. Wood light, soft, not strong, very close-grained, compact, easily worked. Used for the panels and bodies of carriages. Weight per cub. ft. 28.20 Specific gravity 0.4525.

3 Sugar Maple. (Acer saccharinum, Wang.) Abundant in the maritime provinces, Quebec and Ontario.

purposes. Weight per cub. ft. 43.08 Specific gravity 0.6912.

4 White Ash. (Fraxinus Americana, Linn.)
Abundant in Maritime Provinces, Quebec and Ontario. A large tree of the first economic value from 10 to 30 metres in height, with a trunk .60 to 1.20 metres in diameter.
Wood heavy, hard, strong, ultimately brittle when old, coarse-grained, and compact. Used in the manufacture of carriages and agricultural implements.
Weight per cub. ft. 41.70 Specific gravity 0.6648.

5 Black Ash. (Fraxinus sambucifolia, Lam.)
Abundant in Maritime Provinces and Quebec and Ontario. A fine tree with a trunk 20 to 30 metres in height and from .30 to 1.20 in diameter.
Wood heavy, soft, not strong, tough, rather coarse-grained, compact, durable. Used for many purposes.
Weight per cub. ft. 39.37 Specific gravity 0.6318.

6 Slippery Elm. (Ulmus fulva, Michx.)
A middling sized tree, common in Ontario and Quebec, with a trunk from 10 to 20 metres in height and a diameter of from .30 to .40 metres.
Wood heavy, hard, strong, very close-grained, compact, durable in contact with the ground. Largely used for [illegible] stock.
Weight per Cub. ft. 43.35 Specific gravity 0.6956.

7 American Elm. (Ulmus Americana, Linn.)
A large tree with a trunk from 30 to 35 metres in height and a diameter of from .60 to 2.20 metres

probable. Height per cub. ft. specific gravity 0.6912.

White Oak. ([illegible])
Abundant in [illegible]
A large tree [illegible] height [illegible] from [illegible] in diameter. [illegible] height, with a trunk [illegible] to 1.20 meters
Wood heavy, hard, strong, [illegible] close-grained, and [illegible]. Used in [illegible]
Height per cub. ft. [illegible] specific gravity 0.6648.

Black Oak. ([illegible])
Abundant in [illegible] and Ontario. [illegible] with a trunk [illegible] in height and from [illegible] to 1.20 in diameter.
Wood heavy, hard, [illegible] strong, [illegible] coarse-grained. [illegible] Used for many purposes.
Height per cub. ft. 39.37 specific gravity 0.6318.

[illegible] Elm. (Ulmus fulva, Michx.)
A [illegible] tree, [illegible] in Ontario and [illegible] with a trunk from 10 to 20 meters in height and a diameter of from [illegible] to [illegible] meters.
Wood heavy, hard, [illegible] close-grained, [illegible]
[illegible]
Height per cub. ft. [illegible] specific gravity 0.6950.

[illegible] Elm. ([illegible])
[illegible] with a trunk from [illegible] to [illegible] [illegible] in height [illegible] a diameter of [illegible]

Abundant throughout the Maritime Provinces, Quebec and Ontario.
Wood heavy, hard, strong, tough, rather coarse-grained, compact and difficult to split. Largely used for wheel-stocks.
Weight per. Cubic ft. [illegible] Specific gravity 0.6506

8 Rock Elm (Ulmus racemosa, Thomas)
Common in western Quebec and Ontario.
A large tree of great economic value 20 to 30 meters in height with a trunk from .45 to .80 meters in diameter.
Wood heavy, very strong, hard, tough, very close grained and compact. It is also susceptible of a beautiful polish.
Weight per. Cub. ft. [illegible] Specific gravity 0.7263.

9 Shell-bark Hickory (Carya alba [illegible])
Valley of the St. Lawrence and western Ontario.
A large tree of great economic value 24–30 meters in height and from .20 to 1.20 in diameter.
Wood very heavy, hard and strong, tough, close grained, compact and flexible.
Largely used in the manufacture of agricultural implements, carriages and wagons.
There are three other species in western Ontario with the same properties.
Weight per Cub. ft. [illegible] Specific gravity 0.8372

10 White Oak (Quercus alba, Linn.)
A large tree of great economic value, Common in Ontario, 20 to 30 meters in height, and from 1.20 to [illegible] meters in diameter.
Wood strong, very heavy, hard, tough, close-grained

Abundant throughout the Maritime Provinces, Quebec and Ontario.

Wood heavy, hard, strong, tough, rather coarse-grained, durable and difficult to split. Largely used for [illegible]

Weight per cu. ft. [illegible] Specific gravity 0.6590

8 Rock Elm (Ulmus racemosa, Thomas) Common in western Quebec and Ontario. A large tree of great economic value 20-30 metres in height and a trunk from .75-.90 metres in diameter.

Wood heavy, very strong, hard, tough, close grained and [illegible]. It is [illegible]

Weight per cu. ft. [illegible] Specific gravity 0.7263.

9 Shell-bark Hickory (Carya [illegible]) Range [illegible] of the St. Lawrence and western Ontario. A large tree of great economic value 24-30 metres in height and from .60-1.20 m in diameter.

Wood heavy, hard and strong, tough, close-grained, compact and flexible.

Largely used in the manufacture of agricultural implements, carriages and wagons.

There are other valuable species in western Ontario [illegible]

Weight per cu. ft. [illegible] Specific gravity 0.8372

10 White Oak (Quercus alba, Linn.) A large tree of great economic value. Common in Ontario, 20 to 25 metres in height, and from .90 to 1.20 metres in diameter.

Wood strong, very heavy, hard, tough, close-grained

but liable to check without it be carefully dried.
Used in the manufacture of carriages and agricultural implements.
Weight per cub. ft. [illegible] Specific gravity 0.7470.

11 Swamp White Oak (Quercus bicolor, Willd.) and Bur-oak Oak (Quercus macrocarpa, Michx) are used for the same purposes as White Oak and both are large and abundant trees especially the first which ranges from Nova Scotia to Manitoba where it becomes a fine tree.

"The specimens used for specific gravity determination were made 100 millimeters long and about 35 mm. square, and were dried at 100° centigrade until they ceased to lose weight." "An average of the specific gravity and of the ash of all the specimens taken from each tree was made and the average of these averages is given as the final result for the species. Equal weight is thus given to each tree no matter how many specimens were taken to represent it."

All of which is respectfully submitted
John Macoun
Naturalist.

6

but little [illegible] checking in drying.
Used in the manufacture of cooperage and agricultural implements.
Weight per cu. ft. 46.55 Specific gravity 0.7470

11 Swamp White Oak (Quercus bicolor, Willd.) and Bur-oak Oak (Quercus macrocarpa, Michx.) are used for the same purposes as White Oak and both are large and abundant trees especially the first which ranges from New England to Minnesota [illegible] [illegible] to the [illegible].

"The specimens used for specific gravity determinations were made 100 millimeters long and about 25 mm. square, and were dried at 100° centigrade until they ceased to lose weight." "The average of the specific gravity and of the ash of all the specimens taken from each tree was made and the average of these averages is given as the final result for the species. Equal weight is thus given to each tree no matter how many specimens were taken from it."

All of which is respectfully submitted
Albert [illegible]
Instructor.

May 18th

My dear Sir

Your note and specimens came safely. The [illegible] seems to me to be three ferns. The Brake is A. marginale, the frond with broad pinnae may be the same but it looks like a narrow form of A. cristatum, the young frond is a form of A. spinulosum, the other plant is Goodyera pubescens – an orchid.

Please collect all forms of the Aspidiums in fruit as they are very interesting and will make a fine study. I am glad you are going to the [illegible] of [illegible]. Yes I will keep some [illegible] for you and [illegible] exchange for some you may have. As I am commencing [illegible] you will do in many cases [illegible] ask your son to get me some. Keep all your [illegible] notes to the fall. I will be home late in September. I leave here on the 25th inst.

I am very glad you are making useful notes in the field. The [illegible] you speak of is very likely a fungus [illegible] collect a specimen [illegible] and send [illegible]

Very truly yours
John Macoun

Rev. Chas. Young
Lansdowne Ont.

May 18th

My dear Sir

Your note and specimens came safely. The [illegible] of one of the star fossils. The mark is so magnified [illegible] the fossil with hand [illegible] may be the cause that it looks like a [illegible] found of a [illegible], the [illegible] found is a piece of a [illegible], the other fossil is [illegible] — no doubt.

These are not at present of the [illegible] my [illegible] as they are very interesting and will not [illegible]. I am glad you are going to the [illegible]. For 13 [illegible] for you and [illegible] exchange for some of yours [illegible] as many as [illegible] of [illegible]. I am [illegible] in [illegible]. I hope [illegible] 20th inst.

I am very glad you are making [illegible] in the field. [illegible] specimens [illegible]

Very truly yours
James Hall

Rev. [illegible]

May 10th

Dear Prof. Sargent

By today's Mail I send a specimen of a Pine collected on the [illegible] Branch of the Peace River, west of the Rocky Mountains last year by a member of our Geological Survey Staff.

It was at an altitude of 2000 feet and about Lat. 57°. The Pine in question is the North Branch of the Peace way up near Alaska.

I make the tree to be P. Murrayana but the cones seem large and the leaves are in twos & threes. Please keep the specimens and let me know what you make it.

Very truly yours
John Macoun

Prof. Charles S. Sargent
Arnold Arboretum
Brookline
Mass.

May 10th

Dear Prof. Sargent

By Rothrock's mail I send a specimen of a
Pine collected on the [illegible] of the [illegible]
Pine, and of the Rocky Mountains last year by
a member of our Geological Survey [illegible].
It was at an altitude of 8000 feet and about
Lat. 37°. The Pine in question is the [illegible]
of the [illegible] many [illegible] of some [illegible].
I make the tree to be P. [illegible] [illegible]
[illegible] large and the cones are in their [illegible]
Please keep the specimen and let me know what
you make it.

Very truly yours
[illegible]

Prof. Charles S. Sargent
Arnold Arboretum
Brookline
Mass.

May 18th 4

My dear Mr Piper

Your note of the 10th inst. and the specimens are to hand today. Any more you may send address them prepaid to Medicine Hat, Alberta. I leave here for that point on the 20th inst.

92 Claytonia parviflora? Dougl. (see Oct v)
93 Brassica Rapa (Turnip)
95 Lupinus bicolor var. micranthus
96 Viola Nuttallii var. praemorsa
97 " canina var. longipes
98 Galium aparine
99 Poa tenuiflora
100 Erodium cicutarium
101 Geranium molle
102 Vicia sativa var. angustifolia
105 If the specimen sent is not abnormal and there are others of the same kind at Rock Creek, then you have a ~~new~~ species as this does not look like Trillium ~~ovatum~~ ovatum

May 15th 11

My dear Mr Prince

Yours note of the 10th inst. and the specimens are to hand today. Very many thanks. [illegible] address those [illegible] of [illegible] [illegible] and [illegible] for you that point on the [illegible] inst.

92 [illegible] [illegible]: [illegible] ([illegible])

93 [illegible] [illegible] ([illegible])

95 [illegible] [illegible] [illegible]

96 [illegible] [illegible] [illegible]

97 " [illegible] [illegible]

98 [illegible] [illegible]

99 [illegible] [illegible]

100 [illegible] [illegible]

101 [illegible] [illegible]

102 [illegible] [illegible] [illegible]

103 [illegible] [illegible] and [illegible] [illegible] and [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] a [illegible] [illegible] as [illegible] [illegible] [illegible] [illegible] [illegible]

2

106 This is very interesting. We have the same
from Alberni and it is known to grow at and
above Comox. It is necessary to get good specimens
and if possible the bulbs to grow them. I am
getting them from Alberni and hope to get others
from Comox. At present I name this *Erythronium revolutum* Smith. I believe it is Menzies' plant
and that Watson was wrong in making it a variety.
Indeed at my suggestion he worked the whole matter
over again and came to to my idea. I am not aware,
however, whether he changed his views in print. It
may be one of those new Oregon species but I am
in doubt about that and prefer to think that one
of them is Menzies plant and have *E. revolutum* S.
See Part VI of my Catalogue.

Very truly yours
John Macoun

A. J. Pineo B.C.
Victoria
B.C.

2

106 This is very satisfactory. We have the [illegible]
from Althaus and it is known to grow at and
above Cowan. It is necessary to get good specimens
and if possible the bulb of your Allium. I and
[illegible] Allium from Althaus and [illegible]
from Cowan. At present I name this [illegible]
[illegible] Smith. I think it is [illegible]
and that Watson was wrong in making it a variety.
Indeed at my suggestion he marked the [illegible]
new species and [illegible] I was not aware,
however, until he changed his view in print. It
may be one of these new Oregon species but I am
in doubt about that and hope to obtain that [illegible]
of those in Macoun's plant and have to [illegible]
the Oct No of my Catalogue.

Very truly yours
John Macoun

C. F. Newcombe M.D.
Victoria
B.C.

[illegible] May [illegible]

My dear Mr. [illegible]

Many thanks for your letter of the 19th inst. I am writing [illegible] to say to you publish the description of Mr. [illegible] plant in the Bulletin by all means. The reprint from it will answer my purpose as the [illegible] object in the "[illegible]" paper is to [illegible] one and somewhat [illegible] with the [illegible] but to publish new things. If I were writing a special paper on plants of my own collecting I would ask leave to publish anything new myself but under existing circumstances [illegible] the man who describes them I think first. I send you a copy of my first paper which [illegible] to nothing, the [illegible] was in want of "[illegible]" and if you [illegible] what I could [illegible] I shall have about [illegible] pages in [illegible] and you will find that they contain much additional information regarding the distribution of [illegible] plants [illegible] [illegible] the [illegible] [illegible] [illegible] [illegible] in the naming of plants [illegible] and I [illegible] [illegible] [illegible] [illegible]

concerning [illegible] of Mr. [illegible] [illegible] correction came in good time as in his address before the Ag. Soc. I [illegible] [illegible] to the [illegible] of [illegible] the way to refer to it. The [illegible] I have sent to [illegible]. I cannot say too often how much I value your corrections; I only wish you could find time to make more of them. Please don't fail to send a note of anything you find wrong at any time. I will see that changes in [illegible] for [illegible] we will make at [illegible].

We were very glad of Prof. Bailey's assistance in making up the [illegible] but so many think my [illegible] did not agree with him; I will send you in time [illegible] [illegible] of [illegible] but [illegible] of each your [illegible].

Dr. N. L. Britton
Columbia College
New York.

Yours Truly
[illegible]

P. S. I am going to the woods to-day for the first time this spring. Though [illegible] [illegible] until [illegible] again with [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], I [illegible] [illegible] [illegible] [illegible] [illegible] to you at [illegible] [illegible] I [illegible] [illegible] respectfully.

[illegible].

May 22nd [illegible]

Dear Mr. Dearness

Your letter came this morning and I answer it at once. The one is a [illegible] specimen of [illegible] [illegible]. Notice the [illegible] and [illegible] capsule.

I have noticed with much pleasure your [illegible] in collecting and working up fungi and congratulate you on the good work you have done.

During the past winter I was working on our birds and have them nearly catalogued and next winter they will be published. My next work will be the Lichens and I would be very glad if you would collect specimens of all you can come across this summer. I can name them all, or nearly all, without much effort. My son is writing a series of articles for the Canadian Record of Montreal, which may be called Addenda to my Catalogue from [illegible] [illegible] in Part [illegible] & would be very acceptable to him. Any particular notes of yours [illegible] published

Very truly yours
John Macoun

Mr. John Dearness, London. Ont.

P.S. I leave for Ottawa on [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
J.M.

May 22nd

Dear Mr. Saunders

Your letter came this morning and I answer it at once. The man is a distinct [illegible] candidate for [illegible]. Notice the [illegible] and [illegible] reports.

I have noticed with much pleasure your name in [illegible] and [illegible] of [illegible] and [illegible] you on the good work you have done.

During the past winter I have worked up our [illegible] and [illegible] which they will be published. My next work will be the [illegible] and I would be very glad if you would [illegible] list of [illegible] you have seen the [illegible] I am aware there [illegible] a [illegible] of [illegible] report. [illegible] is working at [illegible] for the [illegible] of [illegible] which [illegible] be called [illegible] to [illegible] from [illegible]

[illegible]

Very truly Yours
[illegible]

Mr. Wm. Saunders, London, Ont.

[illegible]

Prof. C. H. Eigenmann
Bloomington Ind.

May 28th 9

Dear Sir

Prof. Macoun left for the field few days ago but for some time will receive his daily mail. I have forwarded to him today your letter of the 24th with the memo. Should you have occasion to write to him again address your letter to this Department and I shall see that they reach him.

Yours truly
Jas. M. Macoun

Dr. B. L. Robinson
Gray Herbarium
Cambridge Mass.

28 May 9

Dear Sir

Many thanks for No. 21 of the Contributions which reached me today. My [illegible] from the Gray Herbarium which [illegible] [illegible] for you to the [illegible] [illegible] the [illegible] [illegible] [illegible] The [illegible] with the Abscissa [illegible] [illegible] [illegible]

Yours Truly
Jas. M. Macoun

Prof. C.H. Eigenmann
Bloomington Ill.

May 29th 4

Dear Sir

[illegible]

Yours Truly
[illegible]

Dr. A. E. Ortmann
Carnegie Museum
Pittsburg Pa.

29 May 5

Dear Sir

[illegible]

Yours Truly
[illegible]

May 23rd

Dear Dr. Stejneger

Your letter of May 18 was received a few days ago. My father has gone to the western prairies and will not be home for three or four months. I am sorry to say that we have not one specimen of rattlesnake in our museum. As regards their distribution in Canada I would say that the Pacific rattlesnake so far as we know is confined to a narrow area in the interior of British Columbia bounded to the west by Lytton on the South Thompson River, they are found in that latitude as far east as Kamloops. The farthest eastern record we have is about 10 miles E. of Lake Okanagan. In the vicinity of that lake they are very abundant. The prairie form is most abundant from Medicine Hat on the S. Saskatchewan to the boundary. Georgian Bay (Parry Sound), and Pelee Pt. Lake Erie are the only localities I know of in Ontario of which the rattlesnake is found. Kindly remember me to Mrs. Stejneger and with kind regards to yourself I am

Yours truly
Jas. M. Macoun

Dr. L. Stejneger
U.S. Nat. Museum
Washington D.C.

[illegible]

[illegible]

[illegible]

[illegible]

Yours truly,

[illegible]

[illegible]

[illegible]

Ottawa June 12th [illegible]

Dear Sir:

Your letter of June 9th was duly received and should have been acknowledged before this. I am greatly obliged to you for the trouble you have taken in determining the Vancouver Island grass. I have not yet had time to make the changes you suggest in our herbarium labels but will & fear there'll be some difficulty in one or two instances in making certain just what plant you refer to. When you have had time to examine those that remain to be determined will you kindly refer to them in each instance by number. My father is out in the prairie again and writes me that he has already made many additions to our flora and has found several species that he does not know at all.

Yours sincerely
Jas. M. Macoun

Dr. B. L. Robinson
Gray Herbarium
Cambridge Mass.

Ottawa June 18th [illegible]

Dear Mr. Coville

I have been so busy with other matters that I have allowed my correspondence to accumulate and to-day am clearing it away. Your favor of the 4th instant should have been answered at once and I hope the delay in sending specimens of Agropyron [illegible] has not inconvenienced you. I send you both fruiting and flowering specimens to-day from our herbarium as we have no good duplicates of this species. Please return them after the drawings have been made.

I return herewith [illegible] for the [illegible] [illegible] my future [illegible]. [illegible] in the [illegible] and [illegible] not [illegible] before [illegible] but I have a [illegible] and have [illegible] [illegible] [illegible] [illegible]. Many thanks for the [illegible] which [illegible] has sent me of the [illegible].

Yours truly
Jno. M. Macoun

Frederick V. Coville B.Sc.
Botanist
Dept. of Agriculture
Washington DC.

Theo. Holm Esq.
Dept. of Agriculture
Washington D.C.

June [illegible]

My dear Holm

Many thanks for the [illegible] specimens which you sent me [illegible] the names [illegible] have been [illegible]. Would you be good enough to ask Prof. [illegible] to let me have the names of my [illegible] grasses as soon as he can find time to examine them. I am getting a study under my [illegible] in the [illegible] but am [illegible] somewhat with the synonymy. [illegible] you are not going to send [illegible] [illegible] [illegible] [illegible] [illegible] the [illegible] [illegible] you send? When do you expect to be back from [illegible]? I shall [illegible] my [illegible] [illegible] for you to [illegible] me and send if you would be so good.

Yours truly
Jn. M. Macoun.

Marshall A. Howe Esq.
University of California
Berkeley Cal.

June [illegible]

Dear Sir:

Your letter of June [illegible] addressed to Prof. Macoun was received today. He is at present in the North-west but as soon as he returns [illegible] send you the missing fascicle and labels.

I have directed our librarian to send you Part VI of his Catalogue and Pearson's Canadian Hepaticae.

Yours truly
Jno. M. Macoun

[illegible]

[illegible]

[illegible]
[illegible]
New York

June [illegible]

Dear Sir

[illegible]
[illegible] Northwest [illegible]
[illegible]
[illegible]

Yours truly
[illegible]

Colin W. Livingstone Esq
28 Park Row
New York

10 June [illegible]

Dear Sir

Many thanks for your letter & the [illegible]
[illegible]
[illegible]
[illegible]

Yours truly
Jas. M. Macoun?

July 25th.

My dear Sir

The specimens came a few days since and below you will find their names according to the number on the specimens.

The specimen on which the caterpillar was feeding was *Oenothera* *albicaulis* (a white-flowered species of Evening Primrose) The other is related to the Lilies and is named *Zygadenus elegans*

They are both natives. I have sent the caterpillar to Mr. Fletcher with your note and address. He will communicate with you.

Very truly yours
John Macoun

Mr. J. A. Riddell
Pipestone
Man.

July 23rd

My dear Sir

The specimens came a few days since and below you will find their names according to the numbers on the specimens.

The specimen on which the caterpillars are feeding is Australian Mistletoe (a little known species of Loranthus Bancrofti) The other is related to the Cotton and is named Fugosia digitata

They are both natives. I have sent the cater-pillars to Mr. Olliff with your note and address. He will communicate with you.

Very truly yours
J. H. Maiden

Mr. [illegible]
[illegible]
Mass.

July 23rd 6.

My dear Sir

Your note of the 18th inst. came a day or two since and below are the names of the specimens sent. I return them.

The "Thistle-like plant" is Sonchus arvensis and is a bad weed when it gets established. The other is Plantago lanceolata and is generally introduced in Lawn-grass.

Very truly yours

John Macoun

Mr. Alfred J. Massey
Wallbridge
Ont.

July 23rd

My dear Sir

Your note of the 19th inst. came a day or two since and before me the receipt of the specimen only, of [illegible] [illegible].

The "[illegible] plant" is [illegible] [illegible] and is a fine and rather if not established. The other is [illegible] [illegible] and is [illegible] [illegible] in [illegible].

Very truly yours

[illegible] [illegible]

Mr. Alfred J. [illegible]
Washington
D.C.

July 25th

My Dear Sir,

I was suddenly ordered here from Walla Walla first and your parcel followed me here. Below you will find the name of the specimens sent.

193 Philadelphus Lewisii
192 Trifolium microcephalum
194 Solidago elongata
190 Madia sativa
189 Lathyrus maritimus
191 Stellaria longipes
188 Sidalcea Oregana
178 [illegible] [illegible]
181 Cicuta Pacifica
186 Elymus Americanus
183 [illegible] amoenum
187 Campanula Scouleri
185 [illegible] plumosa
171 Stachys ciliata
170 Spiraea discolor var. ariaefolia
177 Prunella vulgaris = 176
182 Galium boreale
184 Bromus ciliatus (Pers)
173 Gilia squarrosa
180 [illegible] [illegible]
174 [illegible] [illegible]
179 [illegible] [illegible]
197 [illegible] [illegible]
172 [illegible] [illegible]

160 Potentilla gracilis
163 Veronica Americana
166 Nasturtium officinale
161 Ranunculus [illegible] Flammula var.
167 [illegible] [illegible]
169 Amsinckia lycopsoides
165 Trifolium involucratum
164 Helenium autumnale (Var. Gray)

157 Adenocaulon bicolor
168 Hieracium albiflorum = 158
156 [illegible] [illegible]
162 [illegible] [illegible]
162 Taraxacum officinale

Very truly yours
[illegible signature]

July 29th

My dear Sir,

I am sending enclosed names from [illegible] that you cannot [illegible] before you will find the name of the [illegible].

173 Philadelphus coronarius

[illegible]

Jany 20th

My dear Sir

The specimens you addressed to me at Medicine Hat followed me to Ottawa where they arrived a few days since. I will be very happy to name specimens for you at any time so send them [illegible] when it suits you.

No 9 Astragalus bisulcatus, Gray
" 8 Artemisia frigida, Nutt.
" 7 " Ludoviciana var. gnaphalodes
" 6 Chamaerhodos erecta, Bunge
" 5 Hedysarum boreale, Nutt.
" 4 Collomia linearis, Nutt.
" 3 Lilium Philadelphicum (the variety) [illegible] umbellatum,
" 2 Pentstemon confertus var. caeruleo-purpureus, Gr.
1 Mamillaria [illegible] [illegible], Gr.

Dr Gray named the cactus from [illegible] [illegible] [illegible] [illegible] [illegible] of its [illegible]. The Lily is sometimes yellow [illegible] caused by a [illegible] [illegible].

Very truly yours
John Macoun

Rev. C. W. [illegible]
[illegible] (?)
[illegible]

Sep 23rd

Dear Sir

The specimens you ordered to me [illegible] me at [illegible] when they arrived a few days since. I will be very happy to make specimens for you at [illegible] when it suits you.

No 9 [illegible]

" 8 [illegible]

" 7 " [illegible]

" 6 [illegible]

" 5 [illegible]

" 4 [illegible]

" 3 [illegible]

" 2 [illegible]

" 1 [illegible]

[illegible]

Very truly yours

[illegible signature]

Prof. C. H. [illegible]

[illegible]

N. H.

My dear Sir

Another instalment of specimens enumerated below. I send the names. During the next two months I will be moving about but will be here every few days.

220 Helenium autumnale
221 Rosa pisocarpa
218 Medicago sativa
219 Galium boreale
217 Oryzopsis [illegible] no fruit.
215 Anaphalis margaritacea
216 Tiarella trifoliata
214 Gaultheria Shallon
212 Pyrola aphylla ? = 213 both from one & the same species? I would like to know if the different [illegible].
211 Linnaea borealis var. longiflora
210 Gnaphalium purpureum
208 Festuca occidentalis
209 Habenaria [illegible]
207 Deschampsia elongata
203 Allium [illegible]
196 Sonchus asper
202 Goodyera Menziesii
199 Juncus bufonius
191 Campanula Scouleri

Get the fruit of No 217 if possible and [illegible] in doing so [illegible] the specimens [illegible] [illegible].

Very truly yours
[illegible]

Mr. A. J. Pineo [illegible]
Victoria
B.C.

[illegible]

220 [illegible]

221 [illegible]

218 [illegible]

219 [illegible]

217 [illegible]

215 [illegible]

216 [illegible]

214 [illegible]

212 [illegible]

[illegible]

211 [illegible]

210 [illegible]

208 [illegible]

209 [illegible]

207 [illegible]

203 [illegible]

196 [illegible]

202 [illegible]

199 [illegible]

197 [illegible]

[illegible]

July [illegible]

My dear Sir

Your letter of the 19th inst. came in [illegible] but as I am unwell it has remained unanswered. Your former letter written from Winnipeg has also been received since I came back. Owing to a scarcity of money I was recalled but not before I was through collecting eggs. I [illegible].

I find from your letter that we collected the same kinds of eggs pretty nearly. You have Pelican, Green & Blue Winged Teal, Forster's Tern, and Bonaparte's Gull. I have Franklin's Gull, Loon, Coot, Bittern, Carolina Rail, Brewer's Blackbird, White Winged Blackbird, Maccown's Bunting, Collared Bunting and numerous other species of small birds. We have eggs altogether of about 50 species.

I will be very little here for the next two months as I am moving from place to place. We collected all the eggs you mention except those indicated. Our hawk eggs are Ferruginous & Swainson's Buzzards and Marsh Hawk and Sparrow Hawk. The eggs will [illegible] [illegible]

My dear Sir

Your letter of the 9 inst came on hand

but as I was unwell [illegible] memoranda.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Pelicans, Swans & Blue winged Teal, [illegible]

[illegible]

July 20th

My dear Sir

Your note of the 18th inst. has reached me and although quite willing I am afraid I can help you very little.

I am not even aware of the Medicinal plants used at present by the "trade" and hence could give you no advice as regards means in cultivating. You are aware that Seneca Snake Root is native with you and that at present there is a considerable demand for it.

If you would find out from a Winnipeg Druggist the Medicinal Plants he uses and the prices he pays per lb. and then submit to me [illegible] [illegible] names I can tell you at once your prospects of success. To get a knowledge of prices I would apply to a Manufacturing Chemist say in Toronto.

Very sincerely yours
John Macoun

Mr. C. E. McLaughlin
[illegible]
Man.

[illegible] July 18th

My dear Sir

Your note of the 19th inst. has reached me and although quite willing I am afraid I can help you very little.

I am not now aware of the Machinist plants used at present by the "Herald" and hence would give you no advice as regards means in advertising. You are aware that [illegible] Post is nothing with you and that [illegible] is a considerable demand for it.

If you would find out from a [illegible] Company the Mechanical Plant [illegible] the date and the [illegible] to pay for it, and then submit it to [illegible] in this manner, I can tell you at once your [illegible] measures. To get a knowledge of [illegible] would lead to a manufacturing [illegible] any [illegible].

Mr. O. S. McLaughlin
Washington
Wash.

Very sincerely yours
[illegible]

July 24th
[illegible]

My dear Sir

Your interesting note reached me a few days since and I thank you very much for the information contained in it.

The finding of *[illegible]* *spadicea* &c. is surprising so far from the sea but other plants with a maritime habit have been noted in that neighborhood.

I found a *flesh-colored Polygala* at Windsor but it was reluctantly referred to *P. sanguinea* as its characters were not those of *P. incarnata*.

The Asclepias is another good find, we have no *certain* records of any of those you mention. Please accept my thanks for the information and I may say that I will have these noted in our next contribution.

Very sincerely yours
John Macoun

C. F. Wheeler Esq.
Agricultural College P.O.
Mich.

July 26 [illegible]

My dear Sir

Your interesting note reached me a few days since and I thank you very much for the information contained in it.

The finding of [illegible] [illegible] is surprising as you found the one but there should with a manganese habit have been collected in that neighborhood.

I found a flesh-colored Orthoclase at [illegible] but it was undoubtedly referred to [illegible] as its characters are not those of [illegible].

The Andalusite is another good find for there are no certain records of any of these from [illegible]. Please accept my thanks for the information and I may say that I will make these notes in our collection.

Very sincerely yours
[illegible]

C. P. [illegible] Esq
[illegible]

My dear Sir July 28th

As you desired I have gone over the list of Canadian Forest trees and have made numerous additions and corrections.

Whoever compiled the list should have at least consulted my catalogue and some previous botany and tried to distinguish between shrubs and forest trees.

Salix candida & rostrata, Acer glabrum & Amelanchier alnifolia are low shrubs and never attain a height of ten feet.

Betula nigra does not enter Canada

Quercus stellata is a very doubtful species of Michaux

By consulting my catalogue you will see the range of all the species and the cause of my changes.

Very truly yours

John Macoun
Naturalist

Mr. George Johnson
Statistician
Ottawa

My dear Sir, July 28

As you desired I have gone over the list of Canadian Forest trees and have made numerous additions and corrections.

Whoever compiled the list should have at least consulted my catalogue and some [illegible] botany and tried to distinguish between shrubs and forest trees.

Salix candida & rostrata, also glabrous & Amelanchier alnifolia are low shrubs and never attain a height of ten feet.

Celtis rugosa does not enter Canada.

Quercus alba is a very doubtful species of [illegible].

By consulting my catalogue you will see the ranges of all the species and the cause of any changes.

Very truly yours,
John Macoun
Naturalist

Geo. Johnson
Statistician
Ottawa

[illegible]
[illegible] N.Y.

[illegible] July [illegible]

Dear Sir

[illegible] your letter [illegible] [illegible] [illegible] I [illegible] [illegible] [illegible] [illegible] "Science" in which the [illegible] Regarding [illegible]. There [illegible] [illegible] "Science" [illegible] [illegible] [illegible] [illegible] [illegible]. Since the [illegible] [illegible] I [illegible] [illegible] specimen of Castilleja [illegible] from [illegible] [illegible] [illegible] of Port Arthur on Lake Superior. That is our third station.

Yours Truly
[illegible]

Dr. N. L. Britton
Columbia College
New York

[illegible] July [illegible]

Dear Dr. Britton
I enclose a specimen which is what your [illegible] I take to be Castilleja [illegible] from [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Port Arthur. Would you kindly [illegible] [illegible] [illegible] [illegible] from me [illegible] specimen [illegible]

Yours Truly
[illegible]

[illegible]
[illegible]

[illegible] [illegible]

[illegible]

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

[illegible]
[illegible]
[illegible]

[illegible] [illegible]

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

My dear William, Aug. 6th,

Your letter came this morning and I hasten to answer it. I have enquired regarding [illegible] in the Lower Provinces and find that [illegible] [illegible] the [illegible] of it in the maritime provinces. [illegible] I think the [illegible] would be [illegible] [illegible] is [illegible]. If you could [illegible] you would [illegible] enjoy it very much and you would get so many new things as [illegible]. I only spent about two weeks there and came along loaded. You can get to Sydney and [illegible] very easily and a lot of other [illegible] you would be in [illegible] fields [illegible] any labor.

Prince Edward Island is a lovely place and fourteen miles from Charlottetown is [illegible] which I can recommend and which is a resort for many Americans [illegible] [illegible] and [illegible] [illegible] and [illegible] [illegible] [illegible] you [illegible].

My trip was fairly successful as regards botany but my chief work was bird-netting and watching Mammals and reptiles. I collected over 100 specimens of 64 species of birds as I think I did something good. My health is very good and I purpose making a collection of fall plants during the next two months. I may get something interesting as I will investigate our inland lakes and rivers.

I did not answer your other letter when I received it. Jim and I both liked your article in the Observer and I believe they will do much good. I am turning the botany largely over to my sons as I have too many other matters to look after but I will collect as much as ever and keep at the Cryptogams until I catalogue the Lichens.

Wishing you and the Garden a pleasant holiday. I remain very truly yours

John Macoun

Dr. N. L. Britton
New York
[illegible]

[illegible]

I did not answer your letter until I received it. [illegible] and I felt [illegible]

[illegible]

Hoping you [illegible]

[illegible] I remain my [illegible]

[illegible]

Ottawa Aug. 6th 189[illegible]

My dear Sir:

Your letter and letter parcels came some days since and I now send the names. It is so [illegible] to name the plants as sent as many as your friends [illegible]. Should I be absent for a few days it will not matter as my [illegible] will [illegible] be [illegible]. [illegible] the name of those sent.

266 Abronia umbellata ~~[illegible]~~
256 Salicornia ambigua
258 [illegible] var. microphylla
261 Do. [illegible] (Gray)
257 Plantago maritima
264 Maianthemum bifolium var. dilatatum
258 Armeria vulgaris
[illegible] Juncus bufonius
244 Vicia sativa var. angustifolia
238 Habenaria elegans
271 Claytonia parvifolia
2[illegible] [illegible] [illegible]
2[illegible] [illegible] [illegible]
260 [illegible] [illegible]
244 [illegible] [illegible]
245 [illegible] [illegible]
2[illegible] Alnus rubra
2[illegible] Veronica serpyllifolia
2[illegible] [illegible] var. [illegible]
2[illegible] Gymnogramme triangularis
2[illegible] [illegible] [illegible] (Gray)
2[illegible] [illegible] falcatum
282 [illegible] [illegible] var. [illegible]
283 " longipes
262 [illegible] dilatatum

[illegible] [illegible]
248 Ranunculus flammula [illegible]
232 Bidens tripartita
233 Solanum [illegible]
226 Juncus effusus
225 Carex [illegible]
222 [illegible] [illegible]
227 [illegible] angustifolium [illegible]
223 [illegible] [illegible]
229 Plantago major
230 Alopecurus [illegible]
231 Epilobium [illegible]
240 Mentha [illegible]
238 [illegible] [illegible] var. [illegible]
241 Marchantia [illegible]
247 [illegible] [illegible]
239 Funaria hygrometrica
236 [illegible] [illegible]
242 Vicia sativa var. 246
243 " [illegible]
261 Arabis [illegible]
25[illegible] Agrostis vulgaris
[illegible] [illegible] [illegible] var. [illegible]
246 Arenaria [illegible]
250 [illegible] [illegible]
255 Brachythecium [illegible]
254 [illegible] [illegible] var.
[illegible] [illegible] ([illegible])
[illegible] Bartramia [illegible] [illegible]

Very truly yours
[illegible] [illegible]

[illegible]

Aug. 6th

Dear [illegible]

The box of dried plants regarding which you wrote me some time since came safely yesterday and I have opened them and found them in good order. I will at once commence to get out a series for you equal in number to those sent and will get them away [illegible] We have many duplicates [illegible] but they are chiefly from the Rocky Mountains and Pacific Coast of our country but I am collecting in this vicinity now so that you will get more from here as well.

During the month of June I was collecting on the [illegible] Plains [illegible] miles from here and [illegible] but these will not be available until [illegible] make up another box [illegible] for all you have.

I [illegible] in a few days after I receive your consignment.

I have [illegible]

Very truly Yours
[illegible]

[illegible]

Aug. 7th

Dear Mr. Raine

This morning Mr. Whiteaves and myself went over your list of Canadian birds' eggs and selected from it a few dollars worth to purchase.

On the list itself Mr. Whiteaves has marked our desiderata with the number of specimens of each. We also desire to exchange our own duplicates which you may desire to obtain.

I propose the following basis (a) That we take your eggs at your cash price (b) That we give in exchange the eggs you may select from our duplicates at a discount of 33⅓ per cent from your cash price. This being acceptable to you it remains with you to make your selection of what you will give us and from our list what you will take in exchange. I promise you first choice from our duplicates, whether your list be long or short.

I may say the markings on the right refer to the minimum number of eggs we will want. We

Aug. 7th

Dear Mr. Davis:

This morning Mr. Whitaker and myself went over your list of Canadian birds eggs and selected from it a few desirable to purchase.

On the list itself Mr. Whitaker has marked the desiderata and the number of specimens of each. For these we desire to exchange our own duplicates which you may desire to obtain.

I propose the following basis (1) That we take your eggs at your list price (2) That we give in exchange the eggs you may select from our duplicates at a discount of 33⅓ per cent from your own price. This being acceptable to you it remains only for you to make your selection of what you want and give me and from our list what you want in exchange. I presume you find there some duplicates, whether your list be long or short.

Many try the markings on the right edge of the [illegible]

Will take $5.25 worth of eggs for each at any rate and as many in exchange as we can agree upon.

My duplicates are chiefly as below but I have many other duplicates.

Western Grebe egg 60 or 75
Horned Grebe 12
Eared Grebe 25
Canada Goose 12
Leconte's Sparrow 4
Mexican Ruddy Duck 10
Franklin's Gull 40
Cormorant 25 and many others
Shoveller 30

Ask for those you want. I have six Swainson's Buzzard and Whitman has about two Ferruginous Buzzard's with big openings. I have duck eggs not identified. Send the eggs C.O.D. by express to Mr. Whitman through the Director.

Very truly yours
[illegible]

P.S. When the eggs come I will send the money. J.M.

[illegible] 25 [illegible] at any one
and as many in exchange as we can spare [illegible]
My [illegible]
[illegible]

[illegible] 40 & 75
[illegible] 12
[illegible] 25
[illegible] 12
[illegible] 4
[illegible] 10
[illegible] 10
[illegible] 25 and many others
[illegible] 30

Ask for these from [illegible]. I have [illegible]
[illegible]
[illegible]. I have [illegible]
[illegible] C.O.D. [illegible]
to Mr. [illegible] through the [illegible].
P.S. [illegible] Yours truly
[illegible]

Aug. 14th 4

My dear William

Your letter came yesterday and I was glad to get your list of birds as well as the notes on the country.

By today's express to [illegible] I send the money — three hundred and fifty three ($353) dollars as the total of your accounts and twenty ($20) dollars I borrowed, making in all $373.00 On receipt of the money send the papers I gave you at Medicine Hat and an acknowledgment for the money.

The eggs created quite a sensation and a series of them are now in a cabinet. Only two of all your packing were broken. In the egg box a few where I put two in the same space were broken but not more than half a dozen. It is early to talk about next year but we must fix on a place to collect eggs. I may get up to the Lake region in September but Mr. Selwyn being

Aug 14th 4

My dear Williams

Your letter came yesterday and I was glad to get your list of birds as well as the note to the Curator.

By Telegraphic transfer to Cambridge I send the money — three hundred and fifty three (353) dollars as the total of your accounts and twenty (20) dollars I borrowed, making in all $373.00. On receipt of the money send the professor [illegible] your [illegible] at Medicine Hat and an acknowledgment for the money.

The eggs created quite a sensation and a dozen of them are now in a cabinet. Only [illegible] of all your gathering were broken. In the eggs [illegible] from where I first took them in the case before were broken but not more than half a dozen. I ought to talk about next year but we must find a place to collect eggs. I may get up to the Lake region in September but the chances being

away at present prevents me from speaking definitely regarding money matters.

I wish you would let me have a specimen each of the shells you collected in Manitoba. I will get Mr. Whiteaves to name them.

You remember the eggs [illegible] collected under the bridge over Sand Creek and labelled Cliff Swallow and the three you obtained from a nest in an old house that you named Barn Swallow.

The first Mr. Whiteaves names Bank Swallow and the three we can do nothing with. Could you suggest any bird that might have laid in the house? Hoping the money may reach you in safety I remain yours truly

John Macoun

Mr. William Spreadborough

Bracebridge

Ont.

[illegible] it [illegible] prevents me from speak-
ing definitely regarding money matters.
I wish you would let me have a specimen
each of the shells you collected in Manitoba. I
will get Mr. Whiteaves to name them.
You remember the eggs the boy collected under
the bridge on [illegible] and [illegible] Cliff [illegible]
and the [illegible] you obtained from a nest in an
old house that you named Barn Swallow.
[illegible] Mr. Whiteaves names Barn Swallow
and the other are [illegible] the [illegible]
you suggest any [illegible] that might have been in the
house. Hoping the money may reach you
in safety I remain yours truly
[illegible]

Mr. W[illegible]
[illegible] Bridge
Ont.

Aug. 5th 4

Dear Prof. Kindberg

Your card of July 22nd reached me yesterday and I am very glad to hear from you again.

I went west to the prairie again about 2000 miles from here in May and collected many things during June but was recalled early in July and had to return. I was in a very dry country and had no chance to get mosses in quantity. I have only about 25 species in all. These I hope to get at in a few days. I am now in Ottawa but hope to collect mosses south west of here in Sept- and October.

Our appropriation is less this year than usual so we have to lessen our expenses. I am in hopes of better things next year however. As soon as I begin to collect I will send the material to you.

Very truly yours
John Macoun

Dr. N. C. Kindberg
Linköping
Sweden.

Aug. 1st

Dear Prof. Hirschberg

Your card of Aug 22nd reached me yesterday and I was very glad to hear from you again.

I went west to the Virgin again about [illegible] make your [illegible] in May and collected many things during June but was troubled early in July and had to return. I was in a very dry country and had no chance to get [illegible] in quantity. I have only about 25 [illegible] in all. These I hope to get out in a few days. I [illegible] in Ottawa but hope to collect [illegible] next month of June in Sept and October.

Our [illegible] is [illegible] this year than usual to me [illegible]. I am in hopes of better things next year, however. As soon as I begin to collect I will send the material to you.

Very truly yours

[illegible]

Dr. L. L. Hirschberg
Lindsborg,
Kansas.

Aug. 16

My dear Sir

Your letter to Mr. Whiteaves and the one to myself were received this morning. Yesterday Mr Whiteaves wrote you and asked you to send the bill for the eggs in duplicate as soon as it comes I will send the money. Please receipt it before sending. Put in full amount as Survey pays the bill.

In answer to your letter to me I may say that I will be expecting to give you a whole day when you come to the Fair and hope to have you an evening at the house.

Until you come no one will get any eggs from me and I believe I can let you have all you ask for if not more so bring with you those you have placed on the list and when you come if you find that I can pay in exchange for more species you can send them down on your return. I have an egg case here that will hold 36 dozen so that with your own boxes we can send them away safely. I am very glad

Aug. 15

My dear Sir

Your letter to Mr. Whitman sent to me to myself
have received this morning. Yesterday Mr Whitman
wrote you and we think you to send the bill for the eggs
as sufficient as soon as it comes I will send the
money. Please receipt it before sending. Put in just
amount as having paid the bill.

In answer to your letter to me I may say
that I will be expecting to give you a whole day
when you come to the Fair and hope to have you one
evening at the Farm.

Until you come we will not get any
eggs from the birds. I believe I can let you have
all you ask for if not more are being with you
those you have placed on the list and when you
come if you find that I can pay in exchange
for these [illegible] you can send those down on
your return. I have no eggs here that will
hold [illegible] as that with you [illegible] from now
[illegible] I am very glad

2

you are coming down as I wanted you to look through the eggs that I have as there are a number of ducks eggs that I am not sure about

The eggs are all in clutches and marked or numbered and I have dates and everything. The Gulls and Terns vary in color but many of these are in clutches of three and were marked at the nest when taken. The ducks eggs are all in clutches but in some cases I am sure three species laid in the one nest. I found one Ruddy Duck's nest with 18 eggs in it.

When you come you will see them all and then we can arrange perhaps a further exchange as I want to keep no stock of eggs on hand.

Very truly yours
John Macoun

Mr Walter Raine
181 Bleecker St
Toronto

2

you are carrying them as I wanted you to look through the eggs that I have as there are a number of doubtful eggs that I am not sure about. The eggs are all in clutches and marked or numbered and I have data and everything. The Gulls and Terns are in sets but many of these are in clutches of three and were marked at the nest when taken. The doubtful eggs are all in clutches but in some cases I am sure these species laid in the one nest. I found one Ruddy Duck's nest with 18 eggs in it.

When you come you will see them all and then we can arrange perhaps a possible exchange as I want to keep no stock of eggs on hand.

Very truly yours,
Alfred Macoun

Mr. Walter Raine
181 Bleecker St.
Toronto

Ing. [illegible]

Dear M[illegible]

Your [illegible] came in due time
but my [illegible] absence from the office causes my
correspondence [illegible] behind.

My [illegible] [illegible] and [illegible]
is much bett[er] than [illegible] I was
only six [illegible] in the [illegible] season and [illegible]
most of it to plants a[nd] [illegible]. Of the latter we
collected about [illegible] of birds.

I think [illegible] in making
a sale of your collection of [illegible] as they are it
will be a trouble in the fu[ture] except one of your
heirs is a lover of birds. You have no chance
of making a sale here as you are aware we have
no room. Many of our own mounted birds
stowed away even now. I [illegible] advise you
to apply to the University of [illegible] to Mc
College Montreal both of [illegible]
just such a collection as you

Aug. [illegible]

Dear Mr. [illegible]

Yours [illegible] date came in due time
but my [illegible] absence from the office causes my
correspondence [illegible]
my [illegible] and [illegible]
is much left [illegible]
only [illegible] in the [illegible]
most of it [illegible]. Of the latter [illegible]
collected also [illegible] Birds.
I think [illegible] in making
a sale of your collection [illegible] as they are it
will be a [illegible] in the [illegible] of your
[illegible] is a [illegible] have no chance
of making a sale here as you are aware we have
no money. Many of our [illegible]
abroad among other men, I [illegible] [illegible] yours
to apply to the University of
College [illegible] [illegible] of us
[illegible] such a [illegible] as yours.

2

in my opinion is the place for them as your collection is very valuable on account of its being your own work.

If there was any chance of us getting a new museum I would ask you to hold on a while but we have given up all hope of such good luck in our day.

Should a word from me assist you in any way I will be glad to give it or other assistance.

Very truly yours

John Macoun

Mr. T. McIlwraith

Hamilton

Ont.

2

in my opinion is the place for them as your orchestra is very valuable on account of it being your own work.

If there was any chance of my getting a new Conservatory I would ask you to think of it a while but we have given up all hope of such good luck in our days.

Should a word from me assist you in any way I will be glad to give it or other assistance.

Very truly yours
Edwd Fisher

Mr. E. McIlwraith
Hamilton
Ont.

Aug. 17th "

Dear Mrs. Chamberlain

Your letter of a late date came in due course but owing to my frequent absence from the office has been laid aside.

I cannot advise you to retain the "stones" as I am quite sure if Dr. Schumann were here he would advise their obliteration. Of course you can do as you think best, but I can hold out no hope regarding an extension of the work in the future. Our edition will not be exhausted for 20 years at the rate our publications are distributed.

My time this autumn will be taken up outside of Cryptogams so that I am not likely to get anything special myself. Should you pick up anything that you thought worth drawing it might not be amiss to do it.

Very sincerely yours
J. Ind Macoun

Mrs. A. Chamberlain
New Edinborough

Aug. 17th '4

Dear Mr Chamberlain

Your letter of a late date came in due course but owing to my frequent absence from the office has been laid aside.

I cannot advise you to retain the "stars" as I am quite sure if Dr. [?] were here he would advise their obliteration. Of course you can do as you think best, but I can hold out no hope regarding an extension of the work in the future. Our edition will not be exhausted for 20 years at the rate our publications are distributed.

By time this Autumn will be taken up outside of Copyright so that I am not likely to get anything special myself. Would you pick up anything that you thought worth having if myself and be sure to do it.

Very sincerely yours

[?]

Mr. C. Chamberlain

Edinborough

My dear Sir — August 20th [illegible]

Your last consignment came all right and I take the first opportunity to send this names

306 Galium boreale
294 Mertensia maritima — at [illegible] }
329 Dianthus Armeria (I found it beyond the [illegible]) }
317 Urtica Lyallii
297 Veronica scutellata
330 Atriplex patulum ?
301 Cakile edentula
326 Acer macrophyllum
300 Elymus [illegible]
305 Orthocarpus [illegible]
325 Prunus emarginata
290 [illegible] albiflorum
322 Alnus rubra
308 [illegible] [illegible]
304 [illegible] tridentatum
310 [illegible] [illegible] triphyllus
301 Juncus [illegible]
291 [illegible] bipinnatifida
319 Festuca like ovina but possibly [illegible]
314 Gnaphalium microcephalum
323 Amelanchier alnifolia

307 [illegible]
303 [illegible]

Very truly yours
[illegible]
J. A. [illegible] R.N.
Victoria V.I.

Prof. W. J. Beal, M.S. Ph.D.
Agricultural College
Mich.

23rd Aug. [illegible]

Dear Sir

Your letter of July 6th addressed to my father reached me in the course [illegible] [illegible] as we have been [illegible] for many weeks. The plant you ask for — Calamagrostis [illegible] — was collected by me on St. Paul Island but I cannot send you a specimen just now as I have no duplicate and am using my material chiefly in the preparation of a paper on the Flora of [illegible]. [illegible] [illegible] [illegible] duplicate [illegible]. I shall be pleased [illegible] to send you later [illegible] [illegible] the material [illegible].

Yours Truly, Jas. M. Macoun

Aug. 30th

My dear Sir

Your note and the box reached me a day or two since. The caterpillar had spun a cocoon and hence is out of sight. As soon as Mr. James Fletcher, who is our entomologist, calls I will give him the cocoon and he may be able to tell the name. From the appearance of the silk I suspect it belongs to the Cecropia series and hence is a large and fine species.

Chamaerhodos belongs to the Rosaceae. I think the root is of no value. As the species belongs to the Rosaceae the root can do no injury and might be of value if properly tested. An infusion might make a strong tonic.

Very truly yours
John Macoun

Rev. C. M. Bryden
Battleford
N. W. T.

Aug. 30th

My dear Sir

Your note and the fern reached me a day or two since. The caterpillar had spun a cocoon and hence is out of sight. As soon as Mr. James Fletcher, who is our entomologist, calls I will give him the cocoon and he may be able to tell the species. From the appearance of the cocoon I suspect it belongs to the Bombycid series and hence is a large and fine species.

Chamaerhodos belongs to the Rosaceae. I think the root is of no value. As the species belongs to the Rosaceae the root can do no injury and might be of value if properly tested. An infusion might make a strong tonic.

Very truly yours
John Macoun

Rev. C. M. Boyden
Battleford
N. W. T.

Aug: 31st 4

My dear Sir

Your letter of Aug 20th came in due time but I have been in the office very little for the last months. The [illegible] are [illegible] acuminata (leaves at [illegible] of [illegible]) and [illegible] pubescens. The Allium is A. [illegible]

I [illegible] very [illegible] eggs this year and can exchange for those you [illegible] I can give you Franklin's [illegible] [illegible] and [illegible] and others in exchange [illegible] a list of the eggs you have. I want sets [illegible] and will give you sets in return. The [illegible] be very desirable but I am afraid [illegible] be done this winter as we have no printing [illegible] no money. I [illegible] give you [illegible] Gulls and [illegible] [illegible] eggs as well as the common Tern.

Your letter of the 28th inst. came today. The blue flower is [illegible]. The [illegible] are [illegible] and the [illegible] is Gerardia [illegible]. This is an uncommon [illegible] is [illegible] species and [illegible] [illegible] by its hairiness.

Sepr. 6th 4

My dear Sir

Your note with the specimen of Bartonia nuda came in due time. There is no doubt about the plant. It is quite a boon to us as we have no specimens of it even from the U.S.

I thank you very much for it and will have it mounted at once and placed in the Herbarium.

If you should strike anything interesting let us hear from you. Last week I discovered [...]dostomum ceratophyllum growing in abundance near to this city, and I also found in the same place Myriophyllum alterniflorum which is its second American record so you see we are not idle. I collected 547 species since Aug 4th

Very truly yours

John Macoun

Mr. George H. Cox
St. [Bourne]
N. S.

Sept. 6th

My dear Sir

Your note with the specimen of [illegible] came in due time. There is no doubt about the plant. It is quite a boon to me as we have no specimens of it even from the U.S. I thank you very much for it and will have it mounted at once and placed in the Herbarium.

If you should strike anything interesting let me hear from you. Last week I received Camptosorus rhizophyllus growing in abundance near to this city and I also found in the same place Ophioglossum vulgatum which is the second Canadian record as far as we are now able. I collected 60 specimens.

Aug 4th

Very truly yours

George H. Carr

John Macoun

Sept. 6th 6

[illegible] Carr

Your let[illegible] and the specimens came in due time. No 1 is Erysimum orientale R. Br. I gave name of it to Mr. Fletcher some time since. It a plant brought in by the laborers on the C. P. R. [illegible] found it on the track at Silver City in August 188[illegible] 1891 I got it at Devil's Lake and this year at Canmo[illegible] Ke. It will be a bad weed but not so bad as the [illegible]mbrium I pointed out to you in 1881.

No. 2 is Amaranthus albus. It loves the railway may not be bad in the fields.

No 4 is Ch[illegible]nospermum Redowskii, Lehm. It will harm exc[illegible] [illegible]here cultivation is neglected.

[illegible]5 is Amaran[illegible]thus Blitoides if it be a spreading If it be erec[illegible] then it is a form of No 2. It will [illegible] harm.

[illegible]3 is Amaran[illegible]thus retroflexus and is a weed and bring[illegible] [illegible]lo and in gardens. It will do [illegible] in [illegible] that has a crop but where there crop [illegible] one it is a "terror"

Very truly yours
John Macoun

+	50	Mixed single hyacinths @ $2.75	1 38
+	25	" " " white @ 3.00	75
+	50	New and rare named hyacinths (Single)	3 75
+	50	White Roman hyacinths (Selected) @ $3.50	1 75
+	25	Blush Rose Roman @ $2.25	56
+	25	Blue " @ $2.25	56
	25	Duc Von Thol tulips [illegible] @ $3.00	75
+	25	" " " (yellow) @ $3.00	75
+	25	" " " (Scarlet) @ $1.00	25
	25	Narcissus [illegible] @ $3.00	75
	25	" [illegible] @ $3.00	75
	25	" Stella @ [illegible]	40
	25	" Von Sion @ [illegible]	56
	25	" [illegible] @ $1.50	38
	25	" Double Roman (polyanthus) @ $1.75	44
+	25	" Paper white @ $1.75	44
+	6	Chinese Sacred Lily	50
	50	Crocus white mixed @ .40	20
	50	" large yellow @ .40	20
	50	Single Anemone	50
	2	[illegible] @ 5c.	10
+	50	Freesias @ $1.00	50
	50	Jonquils (Single) @ $1.00	50
+	50	" Campernelle @ $1.00	50
	25	Scilla Sibirica @ 75	38
			$17 60

Rev Chas. Young
The Parsonage
Lansdowne Ont

20th Sept. 9

Dear Sir

I returned to the office this morning and found your letter of the 19th addressed to my father. I am sorry to tell you that he is at present in Western Ontario and will not be here before the second week in August. I shall be here all next week, however, and will be very pleased if I can be of service to you in any way

Yours Truly
Jas. M. Macoun

Wm. Scott Esq.
Normal School
Toronto

20th Sept - 9

Dear Mr. Scott

Your letter and letter by were received this morning. My father is just now in western Ontario where he will remain for two weeks or so more. I have looked at the specimen and take it to be the fruit of Gymnocladus canadensis; and if I am wrong my father will write you when he returns or he may perhaps call on you in Toronto

Yours Truly
J. M. Macoun

Rev. Chas. Young
The Parsonage
Lansdowne Ont

26th Sept. 7

Dear Sir

I returned to the office this morning and found your letter of the 17th addressed to my father. I am sorry to tell you that he is at present in Western Ontario and will not be back before the second week in August. I shall be here all next week, however, and will be very pleased if I can be of any service to you in any way.

Yours Truly
J. W. [illegible]

Wm. Scott Esq.
Normal School
Toronto

26th Sept. 7

Dear Mr. Scott

Your letter and letter by [illegible] were received this morning. My father is just now in Western Ontario where he will remain for two weeks or so more. I have looked at the specimens however and [illegible] it to be [illegible] for [illegible] if I [illegible] my father will [illegible] when he

J. A. Bowick [?] Esq
John McLeod [?] &c. St. Catharines
Ont.

20th Sept. [illegible]

Dear Sir

Mr. Thorburn has handed me your letter of the 16th inst. and in reply to your queries I would say that Potentilla recta is the C. pilosa of Prof. Macoun's Catalogue — see p. 139 and p. 517. The reference to P. erecta on the latter page should have read P. recta. Our specimens of this plant are from Niagara Falls, [illegible] and Muskoka. The change in synonymy will appear in notes to be published this winter.

The Clematis I believe with you to be a garden escape but cannot say of what species. I shall retain the specimen until Prof. Macoun's return from western Ontario when he will write you concerning it.

Yours very truly
Jas. M. Macoun

J. D. Cornell Esq
70 West Main St.
St. Catharines
Ont.

2nd Sept [illegible]

Dear Sir

Mr. Thomas has handed me your letter of the 18th inst. and in reply to your query I would say that Potentilla recta in the [illegible] of Prof. Macoun's Catalogue — see p. 139 and p. 673. The reference to P. [illegible] on the latter page should have read P. recta. The specimens of this plant are from Niagara Falls, Hamilton and Belleville. The change in [illegible] was effected in order to be published this winter.

The Clematis I believe will prove to be a species novelty but cannot say of what species. I shall retain the specimen until Prof. Macoun's return from Vancouver Island when he will write you concerning it.

Yours Very Truly
Jas. M. Macoun

3rd October 4

Dear Sir

Many thanks for the Nymphaeas which reached me in good condition this morning. I have not yet carefully compared them with our Canadian plant but am convinced that if your specimen is correctly named ours is a variety of N. pygmaea. Thanks too for ~~the specimens~~ [illegible], and not [illegible] like me [illegible] the seeds. Will you at your leisure [illegible] the best way to get them safely into the mud and how deep they should go? My [illegible] with Mr. Scott in [illegible] last Saturday [illegible] fell [illegible] I fear not [illegible] there at Tor[illegible] [illegible] [illegible] [illegible] his way [illegible]

Yours Sincerely
Jas. M. Macoun

J. H. [illegible] Esq.
[illegible]
Rushden [illegible] Thrapston.

2nd October 4

Dear Sir

Many thanks for the [illegible] which reached me in good condition this morning. I have not yet carefully compared them with our Canadian plant but am convinced that [illegible]

Thank [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]

Yours Sincerely

Jno. M. Macoun

[illegible]

Since writing you this a.m. Mr. Whiteaves has told me that he finds on looking over his duplicate specimens that he has

1 Surf Scoter, from Hudson Bay, Coll. Dr. Bell
1 " " Vancouver Island " Spreadborough
2 " " McKenzie River " McConnell
1 White-winged Scoter Vancouver Island " Spreadborough

The skins made by Spreadborough Mr. Whiteaves says are good and the others at least fair, perhaps good when softened and filled out.

These or whatever part of them you want are at your disposal if you have anything to offer in exchange that we lack. Mr. Whiteaves also wishes me to say that he has four skins of Willow Ptarmigan from Labrador by Low he got last month which he would exchange for Allen's Ptarmigan which he wants for our museum.

We particularly want the Barn Owl, and the Little Brown Crane, Cory's Bittern. If you can get these for us at any time we shall doubtless be able to give you satisfactory exchanges for them.

Yours Sincerely
Jas. M. Macoun

Oct. 8th 9

Dear Dr. Britton.

Your note of the 20th Sept. has just been received. My work here is in an awful condition and for a few weeks it will be almost impossible to find time to get out specimens and write the labels for them though I can promise to send you one or two years collecting next week.

Our specimens of Carex fill a large case and it is of course out of the question to send you the series. I can send you however our sheets of any different species which you may be working and later on duplicates of most of them. Will this do?

You will be interested to know that the gentleman who found the specimens of Nymphaea pygmaea I sent you some time ago, discovered it again a few weeks ago in a stream running into Lake Nipigon. He has photographed the plant growing.

I received only this morning fresh plants of Nymphaea pygmaea and the var. helvola from a friend who has them growing near Toronto. The seeds were sent him from China. Our specimens seem to me nearer the var. than the species if his plant be correctly named,

Do you know this variety? We have a very interesting collection of plants from the interior of Labrador which may contain something good.

Yours truly

Jas. M. Macoun

Oct. 2nd. 190[illegible]

Dear Dr. Britton,

Your card of the 20th ult. has just been received. The work here is in an awful condition and for a few weeks it will be almost impossible to find time to get out specimens and write the labels for them. I am hoping to send you [illegible] collecting next week.

The specimens of Carex I [illegible] a large one and it is of course out of the question to send you the same. I can send you however one sheet of [illegible] different specimen which you may be sending [illegible] later on duplicate of [illegible] of them. Will this do?

You will be interested to know that the gentleman who found the [illegible] of [illegible] I sent you some time ago, [illegible] it again a few weeks ago in [illegible] company with [illegible]. He has photographed the plant growing.

I received only this morning from [illegible], [illegible] and the [illegible] from a friend who has [illegible] growing near Tampa. The seeds were sent him from China. The specimens were [illegible] the [illegible] the species [illegible] plant [illegible]

[illegible]

22 October 4

My Dear Holmes

Your very welcome letter of Sept. 27th has been received, I envy you your visit to the European ~~botanists~~. I am for my part longing to see and talk with someone besides the local people here but I fear there is of late little chance of my getting away from here this winter. I have had a lot of money to pay out during the last year for doctor's bills for my wife and children and in addition added $2000. insurance to what I already had, and bought besides an acre of ground just outside the city [illegible] I shall pay for by degrees. I [illegible] putting up a little cottage in the spring so that I can't afford any travelling for pleasure this winter. I would not have bought the lot had it not been that it may sometime be useful in my botanical work. With the exception of a [illegible] [illegible] and [illegible] with [illegible] and [illegible] [illegible] the Radicans along the back of it is a little bay [illegible] Rosa, or my Pontederia etc., so that you [illegible] Myosotis, please [illegible] see it [illegible] I have already naturalizing things.

My dear Helen

Your very welcome letter of Sept. 23rd has been received. I am glad you went to the Conference [illegible]. I was for my part longing to see and talk with [illegible] the local people here but I fear there is [illegible] little chance of my getting away from here this month. I have tried, but [illegible] to keep out during the last years for [illegible] [illegible] my wife and children [illegible] the [illegible] [illegible], [illegible] to what I already had, and [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] so that I can't [illegible] [illegible] [illegible] [illegible] this work, I [illegible] [illegible] [illegible] [illegible] the [illegible] [illegible] [illegible] [illegible] [illegible] that it [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. With the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] along the [illegible] [illegible] [illegible] the [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible], [illegible] that you [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. I have [illegible]

planted Nymphaea pygmaea, the seeds of which I got from a friend in [illegible]. Do you think you could get anything of that kind that would be hardy this far north?

I have done little botanical work this summer, spending a good deal of my time with my wife and children in the country but mean to do wonders this winter.

When are we to get your report on our Carices? Britton is now working at [illegible] and has promised me material. To day he wrote me for duplicates of our herbarium specimens or the sheets themselves. I shall have to give him at least a part of what he wants but [illegible] to complicate matters by not giving [illegible] what you have and this sending him what you, [illegible] to years prairie specimens best with them. you too, so do your [illegible] As for former work of Baileys and [illegible] of the others, the same that [illegible] better for us.

I haven't heard of the change [illegible] I knew that in Coville's place though [illegible] Washington now, How Seibert was in [illegible] about Rose and Vasey?

plants Nepenthes [illegible], the seeds
of which I got from a friend in
France. Do you think you could get
any there, of that kind that would be hardy
there for me?

I have done little botanic-
work this summer, spending a good
deal of my time with my wife and
children in the country but mean to
do more this winter.

When are we to get your report
on our Cassia? Boettcher is now
making [illegible] [illegible] [illegible]
[illegible] [illegible]. To day he wrote
me for [illegible] of the [illegible]
[illegible] on the [illegible], I
think how to give him at least a
part of what he wants but am
not giving the complete materials [illegible]
[illegible] what you have seen [illegible]
your [illegible] specimens [illegible] to
you [illegible] so you [illegible] with them,
on the [illegible] of Bentham and
others, the [illegible] that [illegible] of [illegible]
[illegible] for me.

I haven't heard of the [illegible]
in California [illegible] [illegible] [illegible]
[illegible] [illegible] in Washington [illegible], [illegible]
what [illegible] are [illegible]?

Will you criticise the enclosed paper freely so that future contributions may be improved, as think will be out in a few days.

Did I tell you that I am a rabid Socialist now? So far gone am I that I contribute a column or two of stuff to a Labor paper here every week giving Sunday evenings to this work. What do you think of that from a government employee.

Let me hear from you soon.

Yours Sincerely

Jas. M. Macoun

Ottawa 9th 5

Dear Dr. Britton

I am very glad that you do not want a full series of Carices just now. You will get duplicates of almost everything found in Canada some time this winter but just now we have many things that press. I began today on my father's Western plants and send you a specimen of Myosurus. Do you agree with my determination?

Kindberg named a genus after my father last year — Macounia — the old Antitrichia californica. I enclose a check-list of the genus of Kindberg's that I think has not yet been distributed by our library.

Yours truly
Jas. M. Macoun

Ottawa 9th 5

Dear Mr. Britton

I am very glad
that you do not want a public trust
I came here just now. Then with just
Pathetic [?] & almost everything found in
Canada some time. The results but
just now we have many things that
press. I began to say in my public
Western plant was sent you a
specimen & Magnum [?] do you agree
with my determination?
Kingsley [?] named a genus of the
my public last year — Macrocystis
— the old classification Californica
is the genus! I enclose a check list
of Kingsley [?] that I think has not yet
been distributed by our Library.
Yours Truly
Jno. M. Macoun

Oct. 9th

Dear Mr. Robinson.

After a summer of activity I have settled down to the labor of putting my collections of various kinds in order. Yesterday I commenced work and by today's mail send down a couple of specimens for your opinion of them.

The Myosurus I do not consider true minimus and hence make it a variety of it. I know Dr. Gray refers the var. to apetalus and he may be right but I would like to know why he does so.

The other species is more puzzling and after some examination and much study I have decided that it is a Sisymbrium and probably Nuttall's S. pauciflorum or virgatum although the descriptions do not tally exactly. Dr. Gray remarks on S. virgatum in the Proced. Phila Acad. (1863) Page 57 that the fruit is rather that of an Erysimum which mine certainly are. Please let me know what you make it. Remember me to Mr. Fernald.

Very truly yours [illegible] Mearns

Mr. J. Robinson
Harvard Herbarium, Cambridge.

Oct. 9th

Dear Mr. Atkinson.

After a summer of activity I have settled down to the labor of putting my collections of various kinds in order. Yesterday I mounted out and by todays mail send down a couple of specimens for your opinion of them.

The Hygrophorus I do not consider true miniatus and hence make it a variety of it. I know Dr. Peck refers the one to cantharellus and he may be right but I would like to know why he thinks so.

The other species is more puzzling and after some examination and much study I have decided that it is a Hygrophorus and probably belongs to [illegible] or [illegible] although the description does not tally exactly. Dr. Peck's remarks on [illegible] in the Proceed. Phil. Acad. (1863) page 57 that the plant is another [illegible] which more certainly so. Please let me know what you make of it. Remember me to Mr. [illegible].

Very truly yours

Mr. G. F. Atkinson, [illegible], Cambridge.

Oct 1. 19[illegible] 4

Dear Sir

Will you kindly send me a sketch of the station at which Nelumbium luteum was found. My father tells me that it was at Port Rowan that he found it in 1882.

He was very sorry not to see you in Toronto but my note never reached him. He was in Toronto until Thursday of last week and would have had ample time to look over some of your things.

Yours truly
Jas. M. Macoun

2 Oct 10th

Dear Sir:

Will you kindly send me the name of the Station at which [illegible] was found. My [illegible] of the label was that it was at Port Darwin that he found it in 1882.

He was very sorry not to see you in Toronto but my note had never reached him, he was in Toronto until Thursday of last week and would have had ample time to look [illegible] some of your things.

Yours truly

Jno. W. [illegible]

10th October [illegible]

My Dear Holm

In reply to your card of the 6th I would say that though very busy I shall gladly get out as many Potamogetons as are within reach and will have a representative of our Canadian species ready in a week or so. Shall I send them to you to direct to your friend or to you? In either case I shall [illegible] to you. [illegible] our botanical member on the [illegible] and would like to hear his opinion on the determinations. All our specimens of Potamogeton have been determined by Bennett or Morong or both.

Very many thanks for [illegible]. Why did you not write something in the front of it. Some [illegible] you know! [illegible] book, I return to-day [illegible]. I am afraid to go on with my [illegible] specimens, [illegible] without seeing the old specimens. I am going to use my duplicates but when getting them out will not forget that I promised you specimens of the rare things.

Yours Sincerely
Jno. M. Macoun.

19th Octr. [illegible]

My dear Walton

In reply to your card of the 6th I would say that if very kindly I shall gladly get out as many Foraminifera as are within reach and will have a reproduction of our Carruthers' plate ready in a week or so. Shall I send them to you to submit to your friend in [illegible] Sydney? In either case I should put my technical remarks on the specimens and would like to see his opinion on the determinations. All my determinations have been determined by Brady or Murray or both.

Very many thanks for "Fossil Botany". Why did you not write something in the front of it. Some tell you know!

I notice to-day [illegible] [illegible] I am obliged to go on with my [illegible] before [illegible] during the old [illegible].

I am going to see my [illegible] but when getting these out will not forget that I promised you specimens of the new things.

Yours sincerely
Geo. M. Thomson.

Oct. 10th 4

Dear Prof. Panton,

Your note and specimens came this morning and below you will find my notes on them. I will be glad at any time to assist you with my advice or opinion on any Botanical matter.

The short plant with roots is Artemisia biennis — a western species that has been working east for a number of years. It is quite common here.

The shrub with black berries is Pirus arbutifolia var. melanocarpa and as you are aware is common in bogs.

Regarding the plant you describe in part I can only guess at it. It seems to me that the plant you mean is Euonymus obovatus which has a general appearance like your description. The fruit being an Aril has a tendency to split. The fruit should have been yellow or red within.

Very sincerely yours
John Macoun

Prof. J. H. Panton
Ont. Agri. College
Guelph. Ont.

Oct. 10th

Dear Prof. Panton.

Your note and specimens came this morning and below you will find my notes on them. I will be glad at any time to assist you with my advice or opinion on any Botanical matter.

The short plant with roots is [illegible] [illegible] a northern species that has been noticed east of you a member of yours. It is quite common here.

The shrub with black berries is [illegible] [illegible] [illegible] and as you are aware is common in bogs.

Regarding the plant you describe in part I can only guess at it. It seems to me that the plant you mean is Chenopodium [illegible] which has a general appearance like your description. The fruit being on [illegible] has a tendency to split. The fruit should have been yellow or red within.

Very sincerely yours
John Macoun

Prof. J. H. Panton
Ont. Agri. College
Guelph, Ont.

Oct. 10th 4

Dear Mr. Piper:

Your last parcel has been here for nearly a month now. I was absent on my holidays for three weeks and just reached the parcel today.

350 Lathyrus maritimus = 302
349 Levisticum officinale
336 Pinus nivularis
335 Pseudotsuga Douglasii (Young Douglas fir)
315 Antennaria Menziesii
320 Hypnum subimponens var. cristatum
314 Evernia vulpina
321 Camptothecium Nuttallii
316 Dicranoweisia cirrhata } no fruit
283 Alopecurus aristulatus
295 Orthocarpus bracteosus
299 Helenium autumnale
327 Cetraria glauca
347 Prunella vulgaris
340 Lampsana communis
244 or 49 Aster foliaceus = 343
346 Eurhynchium stoloniferum
341 Polygonum erectum
348 Mitella Douglasii

337 Madia sativa
342 Geranium molle
205 Purshia Douglasii
332 Erigeron Philadelphicum
109 Ammodenia peploides

Very truly yours
John Macoun

C. V. Piper B.C.
Victoria B.C.

Oct. 10th

Dear Mr. Prince:

Your last parcel has been here for nearly a month now. I was absent on my holidays for the whole and just reached the parcel today.

350 [illegible] = 302
349 [illegible]
336 [illegible]
335 [illegible] ([illegible])
315 [illegible]
320 [illegible]
314 [illegible]
322 [illegible]
316 [illegible]
283 [illegible]
255 [illegible]
299 [illegible]
327 [illegible]
347 [illegible]
340 [illegible]
244 & 49 [illegible] = 343
346 [illegible]
341 [illegible]
348 [illegible]

337 [illegible]
342 [illegible]
205 [illegible]
332 [illegible]
119 [illegible]

Very truly yours,

[illegible]

[illegible]

Oct. 10th

Dear Mr Wood.

Your note and the parcel of plants reached us on the same day. The plants were in good order and are quite an acquisition to our herbarium.

We have now had 200 from you and I will at once put out the same number for you and have them off before the end of the month. I would have answered your note at an earlier date but was absent from the city.

Thanking you for your kindness, I remain

very sincerely yours. John Macoun.

J. Medley Wood A.L.S.
Natal Botanic Gardens
Durban
Natal.

Oct. 19th

Dear Mr. Wood

Your note and the parcel of plants reached us on the same day. The plants were in good order and are quite an acquisition to our herbarium.

We have now sent 200 from your seed. I will at once get out the same number for you and have them off before the end of the month. I would have answered your note at an earlier date but was absent from the city.

Thanking you for your kindness, I remain

Very sincerely yours

John Macoun

J. Medley Wood A.L.S.
[illegible] Botanic Gardens
Durban
Natal.

Oct. 10th

My dear Madam.

I regret very much that owing to my absence from the city your note of Sep. 21st has remained so long unanswered. But I hasten now, on my return, to give what information I can on the subjects you enquire about.

There was only one Macrae. Hence the letters of 1843 & 1845 were written by the same person. We spell the name Macrae although I have seen it spelled MacRae. Please write Sir William Dawson in Montreal and he may be able to give you fuller information.

The Bletia turned out to be a Corallorhiza and was named C. Macraei by Dr. Gray in the 1858 & 1868 editions of his Manual. The plant is now known as C. striata Lindl.

I was born in Ireland on 17th April 1831.

Very sincerely yours
John Macoun

Mrs. A. Gray
Botanic Garden
Cambridge Mass.

Oct. 10th

My dear Madam:

I regret very much that owing to my absence from the city your note of Sep. 24th has remained so long unanswered. But I hasten now, on my return, to give what information I can on the subject you enquire about.

There was only one Macoun. Hence the letters of 1843 & 1845 were written by the same person. He spelt the name Macoun although I have seen it spelled MacCoun. Please write Mr. William Couper in Montreal and he may be able to give you further information.

The [illegible] turned out to be a Castilleja and was named C. Macounii by Dr. Gray in the 1858 & 1868 editions of his Manual. The plant is now known as C. [illegible] Lindl.

I was born in Ireland on 17th April 1831.

Very sincerely yours
John Macoun

Mrs. A. Gray
Botanic Garden
Cambridge, Mass.

Ottawa Oct. 11 4

Dear Sir

By this mail I send you a packet of plants that were got out for you last winter. We have settled down to office work and this winter there will I hope be more time to devote to the distribution of plants. and the balance due you will be sent soon.

Yours Truly
Jas. M. Macoun

Mr. J. A. Morton
Barrister &c
Wingham Ont.

Ottawa Oct. 11 4

Dear Sir

By this mail I send you a packet of plants that were got out for you last winter. We have collected some to offer [illegible] and this winter that [illegible] I hope to soon have time to attend to the distribution of plants and the balance you will be sent soon.

Yours truly
Jas. M. Macoun

Mr. J. A. [illegible]
[illegible]
[illegible] Ind.

Ottawa Feb. 1st 4

Dear Sir

By this mail I send you a packet of plants got out for you last winter. We have settled down to work again and though I am almost ashamed to say it again, but it will not be long now I hope before we square accounts with you

Yours Truly
Jas. M. Macoun

Mr. Jas. White
Edmonton
Ont.

Ottawa, Feb. 4

Dear Sir

By this mail I send you a packet of plants got out for you last winter. We have settled down to work again and then I was almost ashamed to say it again, but I will not be long now I think before we square accounts with you

Yours truly
Jas. M. Macoun

Mr. Geo. White
Edmonton
Ont.

Oct. 12th

Prof. L. N. Johnson

Dear Sir,

Your note of the 8th inst. has been received. In reply I may state that I have done little or nothing in the way of collecting Desmids as my attention has never been directed that way. I have a few little things (algae?) that I will send you later on which may interest you.

I have no doubt but that we have Desmids from many localities which have adhered to Potamogetons and other water plants and these I will collect from our dried specimens this winter and send to you. Next season I can very likely get many species so in the meantime you might kindly drop me a few lines on how to collect and where to look for Desmids.

Very sincerely yours
John Macoun

Prof. L. W. Johnson Oct. 12th

Dear Sir.

Your note of the 8th inst. has been received. In reply I may state that I have done little or nothing in the way of collecting Desmids as my attention has never been directed that way. I have a few little things (algae?) that I will send you later on which may interest you. I have no doubt that we have Desmids from many localities which have adhered to Potamogetons and other water plants and these I will collect from our dried specimens this winter and send to you. Next season I am very likely get many specimens as in the meantime you might kindly drop me a few lines on how to collect and where to look for Desmids.

Very sincerely yours

John Macoun

Oct. 11th 4

Dear Mr. Christie.

I received the pamphlet published by the California Fish Commissioners and thank you very much for it. I have spent some time over it and consider it a valuable paper. I believe the new trout is the <u>white-fleshed</u> fellow we got in the Columbia at Deer Park and in Kootenay Lake in the summer of 1890. If my species be the same as that in Kamloops ~~Lake~~, I consider this new species the best ~~table~~ species of the series.

My son and myself are both very well and as usual are pegging away at plants and other things. Wishing success in your business and the best of good health, I remain very sincerely yours

John Macoun

Mr. F. G. Christie
Savonas Ferry
B.C.

Oct. 11th "

Dear Mr. Christie:

I received the pamphlet published by the California Fish Commissioners and thank you very much for it. I have spent some time on it and consider it a valuable paper. I believe the new trout is the white-fleshed fellow we got in the Columbia at Deer Park and in Kootenay Lake in the summer of 1890. If my opinion be the same as that in Kootenay Lake, I consider this new species the best table species of the river.

My son and myself are both very well and so much are logging away at plants and other things.

Wishing success in your business and the best of good health, I remain very sincerely yours

John Macoun

Mr. R. E. Christie
Lawrence [illegible]
B.C.

16th. Oct. 4

Dear Sir

Very many thanks for the beautiful specimens of Acer [illegible] and var. nigrum which were received to-day. They will encourage us to make a complete series in this region this next summer if either my father or I are here.

We have settled down to work early this year and will do a lot of plant distributing during the winter and you may expect a fine series of grasses before spring.

Yours truly
Jas. M. Macoun

Dr. W. J. Beal, M.S.
Agricultural College
Mich.

16th. Oct. [illegible]

Dear Sir,

Very many thanks for the beautiful specimens of [illegible] [illegible] and the [illegible] which were received to-day. They will enable us to make a complete series in the region this next summer of which my father & I are [illegible].

We have added some to each [illegible] [illegible] and [illegible] [illegible] a [illegible] of [illegible] [illegible] [illegible] the [illegible] and [illegible] [illegible] [illegible] a [illegible] [illegible] at [illegible] before [illegible].

Yours truly
Jno. W. [illegible]

Dr. W. J. Beal, Ph. D.
Agricultural College
Mich.

16 Oct.   9

My Dear Holmes

I can't for the life of me find our Potamogetons. I have looked in every hole and corner about the building but can't find them. They must be found however and when I can take a day I shall make another systematic search. but they can't be ready and as soon as I thought they would be

Yours Sincerely

Jas. M. Macoun.

My Dear Holmes

[illegible]

Yours Sincerely

[illegible]

Ottawa 16 Oct. 4

My Dear Sir

Many thanks for your letter of the 11th inst. I am sorry to have made the mistake about Elatine but it was through ignorance. Mr. Britton sent us specimens labelled as I gave the reference and I of course credited the find to the collectors named on the label. I shall take the first opportunity of setting the matter right.

My father desires me to say that Cameron's specimens of Epilobium hirsutum were collected under the bank at the Horse Shoe Falls, no doubt they grew from your seed or rather from the seeds of plants that grew from your seed. Cameron's address is

R. Cameron South
Niagara Falls ~~Ont.~~

and he is in charge of the gardens attached to the park there.

I think there is a mistake about Epipactis at Brigham or near there as we have correspondents there and have never heard of it.

Yours truly
Jas. M. Macoun

David F. Day, Esq.
330 Franklin St.
Buffalo N.Y.

Ottawa 18 Oct. 2

My dear Sir:

Many thanks for your letter of the 11th. inst. I am sorry to have made the mistake about [illegible] but it was through ignorance. Mr. Wootton sent me specimens labelled as I gave the references and I by error attributed the first to the collector's name on the label. I then took the first offhandedly, believing the name the right.

My father desires me to say that Cameron's specimens of [illegible] were collected [illegible] the bark of the [illegible], [illegible] from [illegible] [illegible] that you have.

Cameron's address is

A. Cameron

~~[illegible]~~ Smith Michigan Falls

and he is in charge of the Gatineau affairs to the pulp Mills.

I think there is a mistake about [illegible] of Michigan in your Notes as we have never heard that we have never heard of it.

Yours truly

Jas. M. Macoun

Ottawa 18th Oct. 4

My dear Dr. Robinson

In reply to your letter of the 10th inst. I would say that I am very glad indeed that you will take as far as a set of fossils of the Belleisle plants. My intention was to break them up into five sets of about 200 each, but I would like the complete set at Harvard, there will then be about 400 species in all or perhaps only 300 in the first set and about 200 in the others.

We would greatly value the plants from Newfoundland, we have from there only a broken set of Banks plants and scraps collected by Waghorne. I hope sometime to do a little special work on the distribution of weeds in Canada and have already a good deal of material in notes so that the introduced weed specimens will be as acceptable as the others.

This winter if all goes well we shall send you grasses and we shall send you carices of which we have distributed very few. Tell me please to what extent you want us

P.S. What do you think of the Lepidium I sent with Bifolium ?

3 [illegible] Feb.

My Dear Dr. Robinson

In reply to yours
letter of the 24th inst. I would say that
I am very glad indeed that you will
take as large a set of [illegible] of the
Bahamas plants. My intention was to
[illegible] set of about
250 each, but I would like the complete
set at Harvard, there will then be
about 400 species in one or perhaps 350(?)
450 in the first set and about
200 in the other.

We would greatly value the
plants from Newfoundland, as there
[illegible] only a [illegible] set of Banks(?)
plants [illegible] collected by
Waghorne. I hope sometime to do a
little special work on the distribution of
[illegible] in Canada and have already
a good deal of material in [illegible]
and specimens so that the Newfoundland
plants will be an acquisition to the
others.

This winter [illegible]
[illegible]
[illegible]
[illegible]
[illegible]

P.S. [illegible]

would like specimens from as duplicates,
I mean from how many localities you
would like each species from. Heretofore
except in the case of rare or variable
species I have sent you only one
locality and have marked the speci-
mens sent you as one of my lots. Would
you for example like a set of my
[illegible] plants collected in the prairie last
year or only those which have not been
sent you before from the prairie region?
The intention when my father went
out last year was to make a thorough
examination of the Province of Assiniboia
but funds ran out and he was compelled
to return here in July having collected
about 800 species. This will not be
gone over with next year by either him
or me and in 3 years in order to
have a fairly complete series of prairie
plants collected in the light of our
present knowledge of these plants we
should not have many duplicates as we
have already an immense stock of
some — the collections of certain
most of them — the ... enough for 10
years — but this we ... for you if you want
complete sets for you if you want
them. Lepidoptera to you
I am sending no

to-day. I hope you can straighten out our western L. intermedius. The low spreading specimens have I never been satisfactorily determined. No. 2244 from Oak Bay is very common there my father says but never larger than the mounted specimens.

I may say to you again before you begin your winter work that anything from our herbarium that you may want will be freely sent you and if ~~[illegible]~~ the specimens are examined as carefully as these you have had the obligation will be all on our side.

You will add to your many kindnesses by making any corrections that may strike you as necessary in my contributions. The main object in furnishing these is to correct and revise what has been done and I would rather make a correction than add a new species to our flora.

Thanking you my father and myself I want to say that while our material is at the service of any responsible specialist the Gray Herbarium will always have the preference.

Yours sincerely
Jas. M. Macoun

B. L. Robinson
Cambridge Mass

Oct. 18th [illegible]

My dear Sir.

Your letter of the 16th inst came today and I hasten to reply. I may as well state that I have done nothing in the way of collecting fresh water algæ except a few of the larger ones. These I floated on stiff paper just as I did sea-weeds. I am not intending to take up the study as I have far too much on hand at present in other lines. I know of no Canadians at work on these forms at present.

If you wish to study the Desmids get Francis E. Wolle's Desmids of the United States published at Bethlehem Pa. There are over 1200 figures in the book.

Again if you desire to open up communication with one who is now taking up the whole subject write to Prof. L. N. Johnson Agricultural College P. O. Michigan and mention my name and he will give you both advice and assistance.

Very truly yours
John Macoun

Mr. Richard Lees
Science Master, Coll. Inst. St. Thomas, Ont.

Oct. 18 [illegible]

My dear Sir:

Your letter of the 16th inst came today and I hasten to reply. I may as well state that I have done nothing in the way of collecting fresh water Algae except a few of the larger ones. These I fasten on stiff paper just as I did sea-weeds. I am not intending to take up the study as I have far too much on hand at present in other lines. I know of no Canadian at work on these forms at present.

If you wish to study the Desmids get Francis C. Wolle's Desmids of the United States published at Bethlehem Pa. There are over 1200 figures in the book.

Again if you desire to form up correspondence with one who is now taking up the whole subject write to Prof. C. A. Johnson Agricultural College P.O. Michigan and mention my name and he will give you both advice and assistance.

Very truly yours
John Macoun

Mr. Richard [illegible]
Science Master Coll. Inst. St. Thomas, Ont.

Oct. 22nd

Dear Mr. Klotz.

I had time today to examine the little plants I brought from your house on Friday evening and have found them very interesting. The names of the species are as below.

1 Artemisia Richardsonii
2 Loiseleuria procumbens
3 Saxifraga ~~cuneifolia~~ Tolmiei
4 Cassiope Stelleriana
5 Ranunculus Cooleyae Rose (New species)
6 Pedicularis ——— ?
7 Primula cuneifolia

No. 1 are rare but we have them.
No. 3 has never as far as I am aware been found in Canada before. We have it from high mountains in Washington.
No. 4 Has been collected (in Catalogue) but we have no specimen.
No. 5 If I am correct in my determination was collected at Juneau in Aug. 18[illegible] and the next year near Mt. St. Elias and now you have it. I am sending a specimen to Washington where it was described.

Oct. 22nd

Dear Mr. [illegible],

I had time today to examine the little plants I brought from your house on Friday evening and have found them very interesting. The names of the mosses are as follows

1 Catharinea [illegible]
2 [illegible] juniperinum
3 [illegible] [illegible] Schreberi
4 [illegible] [illegible]
5 [illegible] [illegible] Bro. (new species)
6 [illegible] ———— ?
7 [illegible] [illegible]

[illegible] are new but we have them.

[illegible] The moss as far as I can make out has not been found in Canada before. We have it from high mountains in [illegible].

No. 6 has been collected ([illegible]) but we have no specimens.

[illegible] If I am correct in my determination now [illegible] of [illegible] in Canada, [illegible] and the [illegible] from [illegible] small mosses from there [illegible]. I am sending a specimen of [illegible] [illegible] in our herbarium.

No. 7 is common in Eastern Asia and [illegible] gathered it in Behring Sea but we have no account of it either in Alaska or British Columbia.

No 6. *Pedicularis pedicellata*, Bunge. This is a doubtful identification but I think I am correct.

You see by the above that you did very well, having added two species to the Canadian list and five to our herbarium.

I will retain the specimens for the present and would be glad if you could send data, regarding the locality, height above the sea and time of collecting as we are publishing fast as we gather them in the Record of Science. Montreal.

Very sincerely yours

John Macoun

No. 7 Is common in Eastern Asia and Lewis gathered it in [illegible] but we have no account of it either in Alaska or British Columbia.

No. 6. [illegible] Chicago(?). This is a doubtful identification but I think I am correct.

You see by the above that you did very well, having added two species to the American list and four to our Herbarium(?).

I will return the specimens for the present and would be glad if you could send better specimens, giving the locality, height above the sea and time of collecting as we are publishing just now a further paper in the Record of Science, Montreal.

Very sincerely yours,
John Macoun

Oct. 22nd 4

My dear Sir

Your last parcel came a day or two since and below you will find the names. Evidently you have had a busy summer as you have picked up many fine things. You have much to do yet however as I collected all you have sent and many others that you will yet find.

46 Carex Pennsylvanica var. vespertina
98 Galium Aparine var. Vaillantii
272 Cystopteris fragilis
273 Polypodium falcatum
351 & 352 Equisetum palustre
353 Bryum Atwateriae.

We are still having lovely weather here and up to the present there is no sign of winter.

Very sincerely yours
John Macoun

A. J. Pineo B.A.
High School
Victoria
B.C.

Oct. 22nd "

My dear Sir

Your letter came to-day so this time words below you will find the names. Evidently you have had a busy summer as you have forwarded us many fine things. You have nearly all of yet however as 9 articles as you have sent and many others that you are yet to find.

46 Carex Pennsylvanica var. [illegible]
98 [illegible] var. [illegible]
272 [illegible]
273 [illegible]
351 & 352 [illegible]
353 [illegible]

We are still having lovely weather here and up to the present there is no sign of winter.

Very sincerely yours
John Macoun

A. J. Pineo M.D.
High School
Victoria
B.C.

22nd Oct. 4

Dear Sir

Your letter of Oct. 20th was received this morning and we were very glad to get your interesting notes.

1. *Cerastium nutans.* We had already from Amherstburg so that though your reference will go in the last addenda it is not important except for my contribution.

2. *Collinsia verna.* Your note on this will appear in the January number of the Record of Science. The printer has the MS. now.

3. *Polymnia Canadensis var. radiata.* Can you send us a specimen of this interesting plant? We have none in our herbarium. Any specimens sent here come free of course as well as letters marked O.H.M.S.

4. *Mentha sylvestris* is new also and we would like a specimen of it if possible.

5. *M. Canadensis var. glabrata* is found almost anywhere but is generally overlooked.

6. ~~plant~~ *Thlaspi arvense.* has become common in Ontario since Pt. I was printed in 1882.

4 2nd Oct.

Dear Sir:

Your letter of Oct. 20th was received this morning and we were very glad to get your interesting letter.

1. Ceratium [illegible]. We had already found nothing so that hardly any reference exists as in the last edition it is not important enough for any contribution.
2. Colloquial names. These are as those which appear in the Germany records of the Board of Science. The [illegible] for the N.S. [illegible].
3. Polygonum Convolvulus var. subalatum. Can you send us a specimen of this interesting plant? It has been [illegible] in our herbarium. Any specimens sent here [illegible] of course be used as letter [illegible] N.W.S.
4. Mentha [illegible] is [illegible] we would like a specimen of it if possible.
5. M. Canadensis var. glabrata is found almost anywhere but is generally [illegible].
6. Thlaspi arvense has become common in Ontario since [illegible] first printed in 1882. I.17.

The var. <u>Illinoensis</u> of <u>B. virginiana</u> was found of late years in many places but has been overlooked by most collectors. I shall continue to send you my contributions as they appear.

Yours truly
Jas. M. [illegible]

R. Elliott
Plainfield. N.J.

My dear Sir. Oct. 27th 4

Your parcel of plants came yesterday all right.
Below you will find the names according to your numbers

1 is Ranunculus sceleratus just as you thought.
2 is not L. erectum but L. rigidum Pursh.
3 Echinospermum Redowskii var. occidentale, Watson.
4 Senecio vulgaris (Introduced.)
5 Quite right. Aphyllon uniflorum
6 Not Pogonia but Sisyrinchium var. anceps.
7 Hippuris vulgaris
8 Thalictrum purpurascens (I found it this year in Cypress Hills.)
9 I think this is Astragalus triphyllus Pursh. Indeed I am sure it is.
10 Androsace septentrionalis, L.
11. Ranunculus affinis not R. rhomboideus
12 Orthocarpus luteus, Nutt.
13 Not Aspidium but Asplenium Filix-foemina
14 Gentiana Amarella var. acuta, Hook.
15 Geum triflorum not G. rivale
16 Correct = Solanum triflorum.
17 do = Rumex venosus. Not found eastward. Abundant among sandhills and sandy places on southern prairies
18 Cerastium arvense } Both common on prairie
19 Anemone multifida }
20 Pentstemon oligostachys, Very common southward.

Oct. 27th

My dear Sir.

Your parcel of plants came yesterday all right. Below you will find the names according to your numbers

1 is Ranunculus acuminatus just as you thought.

2 is not R. acuminatus but R. [illegible] [illegible].

3 [illegible] [illegible] [illegible] [illegible].

4 [illegible] [illegible] (introduced)

5 [illegible] [illegible] [illegible]

6 Not [illegible] but [illegible] [illegible]

7 [illegible] [illegible]

8 [illegible] [illegible] ([illegible])

9 I think this is [illegible] [illegible] [illegible]. [illegible]

10 [illegible] [illegible]

11 [illegible] [illegible] not [illegible]

12 [illegible] [illegible], [illegible]

13 Not [illegible] but [illegible] [illegible]

14 [illegible] [illegible] [illegible]

15 [illegible] [illegible] not [illegible]

16 [illegible] = [illegible] [illegible]

17 do = [illegible] [illegible] [illegible] [illegible]. [illegible]

[illegible] [illegible] [illegible] [illegible]

18 [illegible] [illegible]

19 [illegible] [illegible] [illegible] [illegible]

20 [illegible] [illegible], [illegible] [illegible] [illegible]

2

Send your other plants at any time. I will name and return all you desire. I return now the three you ask for.

It is just possible I may be at Battleford next summer and if so I will call upon you. Should I be out next year you might collect more extensively and I could go over all your collections when I went to Battleford.

Have you my Catalogue of Canadian Plants? There are six parts making two volumes of about 600 pages each. If you desire to get it address Dr. G. M. Dawson acting Director and say that you are in correspondence with me and I will back up your application.

Very sincerely yours
John Macoun

Rev. Charles W. Bryden
Battleford
N. W. T.

2

Send you these plants at any time. I will receive and return as you desire. I return now the three you ask for.

It is quite possible I may be at Battleford next summer and if so I will call upon you. Should I be out next year you might collect more extensively and I could go over all your collection when I next at Battleford.

Have you my Catalogue of Canadian Plants? There are five parts making two volumes of about 600 pages each. If you desire to get it address Dr. G. M. Dawson acting Director and say that you are in correspondence with me and I will back up your application.

Very sincerely yours

John Macoun

Rev. Charles W. Bryden
Battleford
N. W. T.

Oct. 31st 4

My dear Sir,

Your note and the lists of plants came in due time and I held over the matter until I saw whether there was a chance to purchase or not. I am sorry to say there is none as our money was exhausted this summer and we had to retrench.

We may have a new head after January and there may be a change in our expenditure in which case I may ask for the Series before the winter is over.

Since we corresponded I have been constantly engaged collecting natural history specimens in summer and working them up in winter. If you have my Catalogue of Canadian Plants you will see what I have done in that line. Besides botany I have written up our birds and am engaged on other branches.

Very sincerely yours
John Macoun

Mr. A. H. Curtiss
Jacksonville
Florida

Oct. 31st 1

My dear Sir

Your note and the lists of plants came in due time and I held over the matter until I had ascertained there was a chance to purchase a lot. I am sorry to say there is none as our money was contributed this summer and we had to retrench.

We may have a new fund after January and there may be a change in our expenditures in which case I may ask for the Cuban lots [illegible] the winter is over.

Since our correspondence I have been constantly engaged collecting natural history specimens in summer and working them up in winter. If you have my Catalogue of Lamellicorn [illegible] you will see what I have done in that line. Besides this I have written up our birds and am engaged on other families.

Mr. A. H. Curtiss
Jacksonville
Florida

Very sincerely yours
John [illegible]

Prof. W. G. Farlow Oct. 31st 4

Dear Sir.

Your note of Sep. 18th came in my absence and was left without being acknowledged. Please accept, now, my tardy thanks. Should you think it worth while I could send down some of the jelly that I have in alcohol.

When it would be convenient to you I would like to send down another lot of my Vancouver Island Sea-weeds to be determined by you as I prefer to have you to go over them all as you have done a part already.

Since I was in Boston I have had excellent health and am now looking forward to a successful winter's work.

Very sincerely yours

John Macoun

Prof. W. G. Farlow
Cambridge
Mass.

Prof. W. G. Farlow — Oct. 31st

Dear Sir:

Your note of Sept. 18th came in my absence and was left without being acknowledged. Please accept, now, my hearty thanks. Should you think it worth while I would like to have some of the [illegible] that I have in alcohol.

When it would be convenient for you I would like to send down another lot of my [illegible] [illegible] to be determined by you as I prefer to have you do it [illegible] all as you have done a part already.

Since I was in Boston, I have had an accident [illegible] and am now [illegible] to a [illegible] [illegible] work.

Very sincerely yours
[illegible]

Prof. W. G. Farlow
Cambridge
Mass

Oct. 31st 4

My dear Sir

Your note of the 26th inst came a few days since and in answer I may say that my paper on Canadian forests has not yet been published but will be before the New Year. As soon as I get the extra copies I will send you one.

Very truly yours

John Macoun

B. F. Pearson Esq.

Halifax

N. S.

Oct. 31st

My dear Sir,

Your note of the 26th inst came a few days since and in answer I may say that my paper on Canadian forests has not yet been published but will be before the New Year. As soon as I get the extra copies I will send you one.

Very truly yours

Robert Bell

B. F. Brown Esq.
Halifax
N.S.

Oct. 31st 4

Dear Mr. Young.

Your letter of the 8th inst. came in due time and about the same time Mr. Whiteaves received some eggs from you which he says were not his desiderata. I am not aware what arrangements you made when you were here.

Next season collect sets of eggs and blow them from one hole in the middle of the egg and you may be able to make a valuable addition to our collection and make a good exchange for yourself Should you take the holiday next summer you might get many fine eggs but blow them from the middle by all means. Wingan would be a very good point around which to hunt at.

Neither Bartram's Sandpipers nor the Horned Lark were common at Crane Lake. He did not find the eggs of either. My holiday passed off well and I found many shells of which I collected a goodly number.

Very truly yours
John Macoun

Rev. Charles Young
Lansdowne, Ont.

Oct. 31st 1

Dear Mr. Gurney:

Your letter of the 28th inst. came in that time and about the same time the collection ar-rived some eggs from which he says were not his duplicates. I am not aware what ar-rangement you made when you were here.

Just now about lots of eggs and then there from one hole in the middle of the egg and you may be able to make a valuable addition to our collection and make a good exchange for yourself. Would you like the [illegible] and [illegible] you might get among his eggs [illegible] there from the middle [illegible] at [illegible]. [illegible] would be a very good point [illegible] to [illegible].

[illegible] were [illegible] at [illegible]. He did not [illegible] the eggs of [illegible]. [illegible] found [illegible] [illegible] in [illegible] of which I [illegible] a [illegible] remember.

Very truly yours,

[illegible]

Dear Prof. Coleman   Oct. 31st 4

Your letter and the specimen of Opuntia came a few days since and I desire to thank you most heartily for your kindness in remembering me in this connection.

I have never found the plant in question but Sir John Richardson records it from the Lake of the Woods and one of our geologists found it on an island in the Lake of the Woods some years since. The gentleman was Mr. Lawson, whom you may have met in your travels. Your location — Rainy Lake — widens its range in Canada and proves that our knowledge is far from complete.

We will have a notice of its occurrence published very shortly. The name is Opuntia fragilis Nutt. See Gray's Manual (Last Edition) page 197.

We are going to try to grow it and should it flower I will let you know.

Very sincerely yours
John Macoun

Prof. A. P. Coleman
School of Practical Science
Toronto

Oct. 31st [illegible]

Dear Prof. Coleman

Your letter and the specimen of Sparganium came a few days since and I desire to thank you most heartily for your kindness in remembering me in this connection.

I have never found the plant in question but in [illegible] Richardson records it from the Lake of the Woods and one of our geologists found it on an island in the Lake of the Woods some years since. The gentleman was Mr. Lawson, whom you may have met in your travels. Your locality - Rainy Lake - widens its range in Canada and proves that our knowledge is far from complete.

We now have a notice of its occurrence [illegible] [illegible] station. The name is Sparganium [illegible] in Gray's Manual (last edition) page 1[illegible].

We are going to try to prove it and [illegible] there I [illegible] [illegible] [illegible] [illegible]

Very sincerely yours
[illegible] Macoun

Prof. A. P. Coleman
School of Practical Science
Toronto

Nov. 4th 4

Dear Dr. Trelease

By mail to-day I send to you a packet of plants for the Shaw School of Botany. Others will follow as we have time to get them out. You will confer a great favor on my father and me if you will make a note of any changes in nomenclature you would suggest — not in synonymy of course.

I send you, too, a few Thalictrums collected last summer by by my father. Are they correctly named?

What do you make No. 447 which I named A. nodulinus and Greene changed to A. Engelmanni? ?

In the cover with the Thalictrums you will find a little plant collected by my father last summer. We can make nothing of it. Can you take time to report on it soon; it has been sent to no one else and if it is new I would like to get a description for my January "Con-tributions". Two other parts are in the press and will soon be distributed.

Yours truly
Jas. M. Macoun

Dr. Wm. Trelease
Shaw School of Botany.
St. Louis Mo.

Nov. 24th

Dear Dr. Trelease

By mail to-day I send to you a packet of plants for the Shaw School of Botany. Others will follow as we have time to get them out. These will confer a great favor on my folks and me if you would make a note of any changes in nomenclature you would suggest — not in synonymy of course.

I send you, too, a few Thalictrums collected last summer by my father. Are they something new? What do you make (No. 447) which I named E. nebulosum and Greene changed to E. Engelmanni?

In the case with the Thalictrums you will find a little plant collected by my father last summer. We can make nothing of it. Can you take time to report on it soon; it has been sent to no one and if it is new I would like to get a description for my journal "Contributions". Two other parts are in the press and will soon be distributed.

Yours truly

Dr. Wm. Trelease M. E. Jones

Shaw School of Botany,
St. Louis Mo.

Nov. 4th 9

Dear Sir

By mail to-day I send you for the British Museum Herbarium two packets of plants — principally grasses among which you will find several new species.

Will you be good enough to have an acknowledgement sent as soon as convenient after the receipt of the specimens as I shall have other packets for you and the rule is that acknowledgements must be received for specimens before others are sent.

My father wishes to be remembered to you. He spent last season on the Great Plains making large collections.

Yours Truly
Jas. M. Macoun

Dr. Wm. Carruthers F.L.S. &c.
Natural History Museum
Cromwell Road
London. Eng.

Nov. 4th

Dear Sir

My said [illegible]

the British Museum to

send you for the [illegible] of plants

Herbarium the portion which you

particularly [illegible]

[illegible] several new species from

With you in good [illegible]

[illegible] [illegible] [illegible]

of the [illegible]

[illegible] [illegible] [illegible]

[illegible] and the [illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible]

Yours Truly

Geo. W. [illegible]

Dr. Wm. [illegible]

Natural History Museum

[illegible] [illegible]

[illegible]

My dear Madam Nov. 6th 4

Both your letters are here but owing to absence from the office I did not attend to the first one as early as I should. Please find in this all the tickets for the last Musci and Lichens except the last three of the Lichens which I have mislaid and will send later.

In 1864 I sent specimens of a Grimmia to Mr. Austin who named it G. Olneyi and as such it has stood with me ever since or at least up to the publication of my Catalogue. Since then Lindberg has examined my original specimens and makes them a new species under the name of G. Austini. See No. 264 for the location of Gibson's Mountain.

I will send you the exact dates of the issuing of my Musci in my next letter. I am not aware of any other date for Lindberg's Check-List than April of this year but will find out the exact date before I write again.

I do not cite P. Muhlenbergii because the specimens you mention of 1865–66 were named by myself P. canadensis

My dear Markham Nov. 6th

Both your letters are here but owing to absence from the office I did not attend to the first one as early as I should. Please find in this all the details for the last Manuel and Lichens except the last three of the Lichens which I have mislaid and will send later.

In 1884 I sent specimens of a Brachythecium to Mr Cardot under the name of B. Cheapii and as such it has stood with me ever since or at least up to the publication of my Catalogue. Since then Kindberg has examined my original specimens and makes them a new species under the name of B. Austini his No. 266 for the location of Lichen's Manuscript.

I will send you the exact data of the remaining of my Manuel in my next letter. I am not aware of any other data for Kindberg's list than April of this year but will find out the exact date before I write again.

I do not like B. Macounii because the specimens you mention of 1865–66 were named by myself B. Macounii

2

at the time they were collected. Later when Austin took up the work he confirmed these and added others. In 1875 I obtained specimens that James seems to have misnamed P. Macounii and since then Kindberg says all my specimens are P. Marchica and as such they appear as No 415 in the Catalogue. You will notice that P. Macounii was collected by me on Vancouver Island and must have been examined by James. Should you desire any of the specimens of this or any other genus please say so and I will send them. I have no P. Macounii now it is all P. marchica

In my next I will send the articles printed in the Ottawa Naturalist.

I thank you very much for your care in getting out the set from the Jaeger Herbarium and will repay you in kind when I can. Please remember that you have only to indicate anything you may want and it will be sent at once. I have done nothing in moss since my return.

Very truly yours
John Macoun

Mrs. E. G. Britton
Columbia

2

At the time they were collected. Later when Dr. Cardot took up the work he confirmed this and added others. In 1875 I obtained specimens that he named C. Macounii and since then Renauld says all my specimens are C. Maackii and as such they appear as No. 485 in the Catalogue. You will notice that C. Macounii was collected by me on Vancouver Island and must have been examined by Lesquereux. Should you desire any of the specimens of this or any other genus please say so and I will send them. I have no C. Macounii now it is all C. Maackii.

In my next I will treat the Aulacomnium found in the Ottawa Naturalist.

I thank you very much for your care in getting out the ink from the Canadian Herbarium and will help you in Hawaii when I can. Please remember that you have only to indicate anything you may want and it will be sent at once. I have done nothing in Mosses since my return.

Very truly yours
John Macoun

Mr. G. N. Best
Rahway N.J.

3rd October 4

Dear Sir

I am ashamed to ask you to give more of your time to the determination of our specimens but those I send you by mail today were got out for you last spring and I have been holding over our duplicates instead of distributing them until the difficult species had been examined by you. Those on which we would like your opinion are in a separate case and enclosed you will find a list of them. When you have time to examine the specimens, all that will be necessary is to mark the correctly named specimens thus (!) and make what changes are needful in the other cases and then return the list. There are still 15 or 20 of the plants sent you last spring that you have not reported on and some mounted specimens as well.

I know very well how fully occupied your time is and would not add to your labors but if you could at least look over the plants now sent and name or change the naming of those you can determine at a glance and then return the list it would help us a good deal.

Yours very Truly

Jas. M. Macoun

Dr. B. L. Robinson
Cambridge. Mass.

7th October ?

Dear Sir,

I am ashamed to ask you to give more of your time to the determination of our specimens but those I send you by mail to-day were got out for you last spring and I have been holding over our duplicates instead of distributing them until the different species had been examined by you. Those on which we would like your opinion are in a separate cover and enclosed you will find a list of them. When you have time to examine the specimens, all that will be necessary is to mark the correctly named specimens thus (✓) and make what changes are needed in the other cases and then return the list. There are still 15 or 20 of the plants sent you last spring that you have not reported on and some mounted specimens as well.

I know very well how fully occupied your time is and would not add to your labors but if you could at least look over the plants we sent and name or change the naming of those you can determine at a glance and then return the list it would help us a good deal.

Yours very truly

Jas. M. Macoun

Mr. B. L. Robinson
Cambridge, Mass.

Nov. 8th 4

My dear Sir

Although I have received your letters I have not written you as I expected to hear from the Minister but up to date he has made no sign. As soon as I hear from him I will let you know and will then ask your assistance in the matter. Please accept my thanks for the suggestions already made and believe me when I say that I am in full accord with you in having them stopp[…]

I am glad Mr. Whyte is interested in the matter as I am quite sure many serious fires are started by the engines when the train is going up grade.

Gather all the facts you can and have them ready so that we can make a strong case when the time comes. Of course when the House is sitting is the proper time and hence the Minister is in no hurry to press the matter.

Very truly yours
John Mason

Mr. J. G. Gordon
Moose Jaw
Assa.

Nov 3rd

My dear Sir

Although I have received your letter I have not written you as I expected to hear from the Minister but up to date he has made no reply. As soon as I hear from him I will let you know and will then ask your assistance in the matter. Please accept my thanks for the suggestions already made and believe me when I say that I am in full accord with you in having them stopped.

I am glad Mr. Hoyle is interested in the matter as I am quite sure many serious fires are started by the engines when the train is going up grade.

Gather all the facts you can and have them ready so that we can make a strong case when the time comes. Of course when the House is sitting is the proper time and hence the Minister is in no hurry to hear the matter.

Very truly yours

[illegible]

Mr. J. G. [illegible]

[illegible]

Nov. 9th 4

Dear Prof Peck:

Please find enclosed a specimen of Lycopodium which was found on Digge's Island in Hudson Bay by Dr. Bell of our Staff in August 1884.

If not too much trouble I would like to receive the name of it at your convenience.

Very fungi were collected by me the past season but I have still a large stock on hand that I would like to submit to you if you had time or inclination to examine them.

Very sincerely yours
John Macoun

Prof Charles Peck
Albany
New York.

Nov. 5th 4

Dear Prof Peck:

I have just enclosed a specimen of *Lycoperdon* which was found on Digg's Island in Hudson Bay by Dr. Bell of our Staff in August 1884.

If not too much trouble I would like to receive the name of it at your convenience.

Very few fungi were collected by me the past season but I have still a large stock on hand that I would like to submit to you if you had time or inclination to examine them.

Very sincerely yours
John Macoun

Prof Charles Peck
Albany
New York

Nov. 9th 4

Dear Sir

Your letter of the 5th inst. was duly received and our Librarian sent you a day or two afterwards such of our publications as are usually sent in reply to such applications.

I should be very glad, indeed, to have your specimens and if you can send them to me soon the notes on them will be published in the January number of the Record of Science. A part of the notes you sent last year have been printed and the others are ready for publication when opportunity offers. Address your letters and parcels as below and there will be no postage to pay.

Yours Truly
Jas. M. Macoun.

Address letters

O.H.M.S.

The Director
Geol. Survey
Ottawa.

The Botanist.

Nov. 9th

Dear Sir

Your letter of the 9th inst. was duly received and our Librarian sent you a copy or two of systematic work of our publications as are usually sent in reply to such applications.

I should be very glad indeed to have your specimens and if you can send them to me soon the notes would be printed in the January number of the Record of Science. A part of the note you sent last year have been printed and the others are ready for publication when opportunity offers. Address your letters and parcels as below and there will be no postage to you.

Yours Truly

Geo. M. Dawson,

Address letter

The Director

Geol. Survey

Ottawa.

Canada,

The Botanist.

Nov. 17th 4

My dear Sir

Mr. C. T. Williams of Montreal forwarded your letter of the 6th inst. to me and asked me what I could do in the matter. I am sorry to tell you that I have no control over the publications and hence cannot give them to you.

Should you desire to purchase them you can do so by addressing our Librarian Dr. John Thorburn who has charge of all our publications. Each part costs twenty-five cents and there is another – the Supplement at the same rate.

Very truly yours
John Macoun

Mr. Horace A. Bishop
123 Sutton St.
Providence
R. I.

Nov. 17th "

My dear Sir

Mr. L. G. Williams of Montreal forwards your letter of the 6th inst. to me and asked me what I could do in the matter. I am sorry to tell you that I have no control over the publications and hence cannot give them to you.

Should you desire to purchase them you can do so by addressing our Librarian Dr. [illegible] Harbourn who has charge of all our publications. Each part costs twenty five cents and there is another — the [illegible] at the same rate.

Very truly yours
Edward Morse

Mr. Horace D. Crosby(?)
123 [illegible] St.
Providence
R. I.

Nov. 17th,

Dear Prof. Penhallow

Your note of the 14th inst. is here and I am sorry to say that we have no specimens of _Abies amabilis_. Last season I was called home before I was fairly started and obtained no wood specimens at all, yet I located _Populus angustifolia_ and _P. trichocarpa_ and obtained fruiting specimens of them both.

I am very glad to learn that you are getting along so well with your work.

Very sincerely yours

John Macoun

Nov 17th,

Dear Prof [illegible]—

Your note of the 14th inst. is here and I am sorry to say that we have no specimens of [illegible] [illegible]. Last season I was called home before I was fairly started and obtained no [illegible] specimens at all yet I located [illegible] [illegible] and O. [illegible] and obtained [illegible] [illegible] of them [illegible].

I am very glad to learn that you are getting along so well with your work.

Very sincerely yours,
[illegible]

Nov. 17th

Dear Mr. Thompson

Your note came this morning and in answer I send the enclosed Memo. from Mr. A. P. Low who has just returned from Labrador. I hope and believe this is just what you want.

I am glad to see that Ernest is keeping at work and believe that he has a great future as an Artist-Naturalist. His powers of observation and fidelity in re-producing what he sees give him all the powers necessary to become a great Animal-painter.

The family are all well. We will be glad to see you ~~at~~ any time you are in the city

Very truly yours
John Macoun

Mr. A. E. Thompson
Toronto
Ont.

Nov. 17th "

Dear Dr. Thompson

Your note came this morning and in answer I send the enclosed memo. from Mr. A. P. Low who has just returned from Labrador. I hope and believe this is just what you want.

I am glad to see that Ernest is keeping at work and believe that he has a great future as an Artist-Naturalist. His powers of observation and fidelity in re-producing what he sees give him all the powers necessary to become a great Animal-painter.

The family are all well. We will be glad to see you at any time you are in the city.

Very truly yours
John Macoun

Dr. A. E. Thompson
Toronto
Ont.

Nov. 23rd 4

My dear Sir

Your note and the specimen came this morning and I at once took pains to have the head compared with mounted specimens.

There is no doubt but that it is the head of a young female of *Somateria spectabilis* (King Eider). It is not the common Eider Duck. Please keep a note of the time and place of the collecting.

It is still a question whether my Bird List will be printed this year or not. We are short of money and I doubt if much printing will be done outside of the usual report.

Very truly yours
John Macoun

Rev. Charles Young
Lansdowne
Ont.

Nov. 23rd

My dear Sir

Your note and the specimen came this morning and I at once took pains to have the bird compared with mounted specimens. There is no doubt but that it is the bird a young female of Somateria spectabilis (King Eider). It is not the common Eider duck. Please keep a note of the time and place of the collecting.

It is still a question whether my Bird List will be printed this year or not. We are short of money and I doubt if much printing will be done outside of the annual report.

Very truly yours
[illegible] Macoun

Rev. Charles Young
Lansdowne
Ont.

Ottawa 23rd 9

Dear Sir

In addition to what my father has written I would say for your information that the numbers on the labels are our permanent herbarium numbers. The unmounted specimens are for yourself and should you consider any changes in nomenclature necessary it will be sufficient when writing to refer to the specimens by number.

I neglected to send you my Behring Sea Astragali but will send them to you by mail if you would like to see them.

Yours Truly
Jas. M. Macoun

Prof. E. P. Sheldon
Minneapolis. Minn.

Ottawa 2nd

Dear Sir:

In addition to what my father has written I would say for your information that the numbers on the labels are our permanent Catalogue numbers. The unmounted specimens are for yourself and should you consider any change in nomenclature necessary it will be sufficient when writing to refer to the specimens by number.

I neglected to send you any Cambrian Ostracods but will send these to you by mail if you would like to see them.

Yours Truly
Jas. M. Macoun

Prof. E. P. Sheldon
Minneapolis. Minn.

Nov. 25th 4

Dear Prof. Sheldon

Two days since we forwarded to your address two boxes containing all our Astragalus both Canadian and United States. Besides the mounted specimens there were sent specimens collected the past season — the latter you will retain —

My son ~~cot~~ omitted to send the astragalus collected by him in Behring Sea. There are three species — A. polaris, alpinus and frigidus var. littoralis.

Next season I hope to collect other species on the prairie and will send you a set of them.

Owing to untoward circumstances I had to send the boxes unpaid but hope to do better next time.

Very sincerely yours
John Macoun

Prof. E. P. Sheldon
Minneapolis
Minn.

Nov. 23rd

Dear Prof. Sheldon

Two days since we forwarded to your address two boxes containing all our Castillejas both Canadian and United States. Besides the mounted specimens there were sent specimens collected the past season - the latter you will return-ing. We also omitted to send the Castillejas collected by him in Kicking Horse Pass. There are three species — C. pallida, miniata and [illegible] var. lutescens.

Next season I hope to collect other species on the prairie and will send you a set of them.

Owing to unforeseen circumstances I had to send the boxes unpaid but hope to [illegible] the latter next time.

Very sincerely yours
Ethel Macoun

Prof. E. P. Sheldon
Minneapolis
Minn.

Nov. 26th

My dear Sir.

During the past two months I have been busy mak-
ing up my collections of flowering plants made the
past summer and neglected writing chiefly
because I could not send the mosses. I have now
reached the few I obtained and send them to
you with this. I was only five weeks on the prairie
and it was so dry that no mosses would grow there.
Late in June I reached the Cypress Hills and gathered
a few which I now send. I hope that next year
I may be able to reach the mountains again and
should I do so I am sure to get new and interesting
species because it will be a new ~~of~~ tract of country
and more southerly than any other point where
I have been. I am sending with this 75 copies
of your list of American and European Mosses. I have
been trying to get the list published all summer
but the Journal was later in being printed than
the date on the pamphlet.

Our money has run short and we will
do very little publishing this year so I shall confine

Nov. 26th

My dear Sir

During the past two months I have been busy working up my collection of flowering plants made the past summer and neglected writing chiefly because I could not send the mosses. I have now worked the few I obtained and send them to you with this. I was only five weeks on the prairie and it was so dry that no mosses would grow there. Late in June I reached the Cypress Hills and gathered a few which I now send. I hope that next year I may be able to reach the mountains again and should I do so I am sure to get more and interesting species because it will be a new tract of country and more northerly than any other point which I have been. I am sending with this 15 copies of our list of Canadian and European Mosses. I have been trying to get the list published all summer but the Government were late in having printed them the copy on the pamphlets.

Our summer has been short and we will be very [illegible] publishing the flora in a paper. [illegible]

2

myself to working up material on other Natural History lines.

Since I wrote I have had three cards from you - two in October and one this morning. Please accept my thanks for these and my congratulations on the good and continuous work you are doing.

I am glad you have revised the Genus Othyconnitinae as Mr. Britten had been working at it claimed to have done so.

Waghorne has ceased to write to me as I would not be bothered with his bad writing and his scraps.

Hoping you may find something to interest you in what I send. I remain very sincerely yours

John Macoun

Rev. N. C. Kindberg

Linköping

Sweden

2

regard to working of modified or other Retort
Firing of Gas.

Since I wrote I have had this note from you - two in October and one this morning. Please accept my thanks for these and my congratulations on the good and continuous work you are doing. I am glad you have received the Lemon Hope [illegible] to Mr Chalton [illegible] had been working at it claimed to have done so.

Neighbours have ceased to write to me as I could not be bothered with his bad writing and his cough.

Hoping you may find something to interest you in what I send. I remain very sincerely yours

Arthur Mason

Dr. R. C. Kindling

Lichfield

[illegible]

Nov. 26th 4

My dear Prof.

Many thanks for your note. I will send down a lot of fine algae early in January. In the meantime I will get all the material put in shape so that I may know exactly what I am about.

Very sincerely yours
John Murray

Prof. W. G. Farlow
Cambridge
Mass.

Nov. 26th "

My dear Prof.

Many thanks for your note. I will send down a lot of fine algae early in January. In the meantime I will get all the material first in shape so that I may know exactly what I am about.

Very sincerely yours
[illegible]

Prof. W. G. Farlow
Cambridge
Mass.

Nov. 26th 4

Dear Prof. Penhallow

Your letter of the 23rd inst. came too late on Saturday to be attended to at once.

In answer to your enquiry I may say that I have never heard or read that an attempt, to make Indian Rubber out of Asclepias, was made by any person in this country.

I have a hazy remembrance that Judge Logie of Hamilton, Ont. read a paper on Asclepias before the Botanical Society of Canada in Kingston about 30 years ago. You will find it in the "Annals" of the Society which was printed in Quarto. If it is not in your Library write to Prof. Fowler in Kingston concerning it.

Very truly yours
John Macoun

P.S. Will you want the copy of British Jungermanniae that I have. It is as good as new.

P.S. I think ~~Dr. Dawson~~ J. M. answered your note regarding the slides. His answer was a [illegible]

Nov. 26th 1

Dear Prof. Penhallow(?)

Your letter of the 23rd inst. came too late on Saturday to be attended to at once.

In answer to your enquiry I may say that I have never heard or read that any attempts to make Indian Butter out of Asclepias, was made by any person in this country.

I have a hazy remembrance that Judge Logie(?) of Hamilton, Ont. read a paper on Asclepias before the Botanical Society of Canada in Kingston about 30 years ago. You will find it in the "Annals" of the Society which was printed in Quarto. If it is not in your Library write to Prof. Fowler in Kingston concerning it.

Very truly yours
John Macoun

P.S. Will you want the copy of British Jungermanniae(?) that I lent. It is as good as new.

P.S. I think Mr. [illegible] answered your note regarding the [illegible]. His answers were [illegible].

Nov 26th 4

My dear Sir

Your letter of the 15th inst. was received in due time and I write to say that six parts of my Catalogue has been published. Have you five or only three? The Synopsis of the Valley of the St. Lawrence was only published to the end of the Polypetalae. I can send you three parts. It was published in the Canadian Journal in Toronto. To get Canadian Wild Flowers, address Mrs. Chamberlain, New Edinburgh, Ottawa, Can. Write to Dr. A. M. Ross in Toronto for his works. Address Dr. George Lawson at Dalhousie College Halifax for his work.

I have a couple of books not on your European list. Hooker's British Jungermanniae and Turner's Musci Hibernici, the latter published in 1803 the former in 1816. and I may have some others that I do not want. Please write again.

Very truly yours
John Macoun

C. G. Lloyd Esq.
Cincinnati
U.S.

Nov 26th

My dear Sir

Your letter of the 15th inst. was received in due time and I write to say that six parts of my Catalogue has been published. Have you five or only three? The Synopsis of the Valley of the St. Lawrence was only published to the end of the Polypetalae. I can send you this part. It was published in the Canadian Journal in Toronto. Or get Canadian Field Flowers, address Mrs. Chamberlain, New Edinburgh, Ottawa, Can. Write to Dr. A. M. Ross in Toronto for his works. Address Dr. George Lawson at Dalhousie College Halifax for his works.

I have a couple of books not on your European list. Hooker's British Jungermanniae and Turner's Musc. Hibernica, the latter published in 1803 the former in 1816 and I may have some others that I do not recall. Please write again.

Very truly yours
John Macoun

C. G. Lloyd Esq.
Cincinnati
O.

Nov. 27th [illegible]

My dear Sir

Your letter and enclosures came in due time and I thank you most cordially for the tribute of membership in your association. Altho I may not be able to attend any of your meetings I am writing to give you all the assistance in my power.

I have just consulted with our Acting Director regarding the Natural History part of your work and authorized to say that I will name all your collections of whatever kind and return them to you postpaid. I am doing this all the time for individuals and societies all over the Dominion.

Our Librarian is sending to your Museum [illegible] my Catalogue of Canadian Plants which is two [illegible] Eight volumes and which will give you the names of all the species in the Dominion as far as known.

If you have any collections made the past season send them along and I will name them. Should you desire instruction how to collect, &c., procure a memo

Nov. 27th

My dear Sir

Your letter and enclosure came in due time and I thank you most cordially for the ticket of membership in your association. Although I may not be able to attend any of your meetings I am willing to give you all the assistance in my power.

I have just consulted with our Library Com'n regarding the Natural History part of your work and authorized to say that I will name all your collections of natural history and return them to you postpaid. I am doing this at the time for [illegible] and [illegible] at [illegible] the Commission.

Our Librarian is sending to your Museum my Catalogue of Canadian Plants which is [illegible] Royal [illegible] and which will give you all the species in the Dominion as far as known.

If you have any collections made this past summer send them along and I will name them. Should your [illegible] [illegible] [illegible]

2

plants let me know and I will have all necessary information sent to you.

None of our Natural History specimens are sent out as we have no collectors in the field to do such work. I repeat again that we will do all we can for you at any time without cost and wish you every success in your science work.

Very sincerely yours
John Macoun

R. H. Knox B. A.
Science Master
Iroquois High School
Iroquois

Nov. 29th [illegible]

Dear Mr. H[illegible]

Doctor C[illegible] handed your letter and the specimen to me this morning with a request that I would communicate with you.

Your plant is as you thought a common thing being found all over Canada. It is Bugle-weed (Lycopus Virginicus, Linn.) See Part II and page 382. It [illegible] noted for producing [illegible] look very much like tubers.

We are all in our usual [illegible] enjoying our beautiful clear [illegible] returned from Alberta some time [illegible] successful season.

With kind regards to yourself and [illegible]

I remain sincerely yours

John [illegible]

T. J. Hill C.E.
New Westminster
B.C.

Nov. 29th [illegible]

Dear Mr. H.:

Doctor [illegible] handed your letter and the specimens to me this morning with a request that I would communicate with you.

Your plant is as you thought a common thing being found all over Canada. It is Bugle-weed (Lycopus Virginicus, Linn.) See Part II and page 382. It is noted for producing [illegible] but very much like [illegible].

We are all in our usual [illegible] enjoying our beautiful clear weather. Mr. [illegible] returned from Ottawa some time since. He [illegible] [illegible].

With kind regards to yourself and [illegible]

I remain sincerely yours
John Macoun

J. Hill Esq.
New Westminster
B.C.

Nov. 29th 4

My dear Sir.

Your letter with the list of Queen Charlotte Island plants reached me the other day through the Dead Letter Office. I now return the list with the English names inserted. I need scarcely tell you that very few native American plants are known by their English names.

The letter had been around a good deal before it reached me as I moved from Belleville over 12 years since. My address now is Geological Museum, Ottawa.

Very truly yours
John Macoun

Mr. Wentworth Lord
Shakan
Alaska

Nov 29th 1

My dear Sir,

Your letter with the list of Queen Charlotte Island plants reached me the other day through the Land Office. I now return the list with the English names annexed. I would remark [illegible] that you that many of our native [illegible] plants are known by the English names. The letter had been several [illegible] days before it reached me as I moved from [illegible] over 12 years ago. My address now is Geological Museum, Ottawa.

Very truly yours,
John Macoun

Mr. [illegible] Land
[illegible]
Alaska

Nov. 31th 4

My dear Ellis

Yours came today and I thank you very much the name of the Polyporus.

I wish to say that the past season and at the present time we are short of funds as last year we got $20,000 in debt and have it to make up. I am therefore compelled to postpone payment for the two Centuries of Fungi which I received last spring. I went west in the latter part of May and had to return the first week in July as my money was cut off. I am sorry this has happened but cannot help myself except to pay you out of my own funds which I will do if you leave the money now.

With this I send the few fungi I collected the past season.

Very truly yours
John Macoun

Ellis Esq.
Field
N. J.

Nov. 21st [illegible]

My dear Mr. Ellis

Yours [illegible] came today and I thank you very much [illegible] the name of the Polyporus.

I wish [illegible] to say that the past season and at the present [illegible] we are about 3 pounds [illegible] we got [illegible] in debt and have it to make up. I am therefore compelled to postpone payment for the three Centuries of Fungi which I received last spring. I went west in the latter part of May and had to return the first week in July as my money was out [illegible]. I am sorry that the Polyporus but cannot help myself except to beg your [illegible] of any more Fungi which I [illegible] if you have the money now.

With this I send the four fungi I collected the past season.

Very truly yours
John Macoun

[illegible] Ellis Esq.
Newfield
N.J.

Nov 30th

My dear Mr. Fletcher,

In reply to your note of yesterday I may say that Prof. Budd is altogether wrong in his statement about Pirus arbutifolia growing at Great Bear Lake. He "gave himself away" when he called it Pirus-berry as P. arbutifolia is called Choke-berry and Arctostaphylos Uv.-ursi is Bear-berry and does grow in abundance at Great Bear Lake and farther north.

I do not hesitate to assert that I am right and will maintain it until Professor Budd produces specimens.

Very truly yours

John Macoun

Nov 30th

My dear Mr. Gilbert:

In reply to your note of yesterday I may say that Prof. [illegible] is altogether wrong in his statement about Bears or bearberries growing at Great Bear Lake. He "gave himself away" when he called it Bear-berry as its identification is called Whortle-berry and "Arctostaphylos: the uva-ursi is Bear-berry and does grow in abundance at Great Bear Lake and further north.

I do not hesitate to assert that I am right in [illegible] as to what Professor [illegible] has [illegible].

Very truly yours

[illegible]

Dec. 3rd ... 9

My dear Sir

Your letter and the specimens came this morning and I have named them and return them with this note. You will notice that I have numbered some of them that were duplicated.

If you have any others you can send them along as I will consider it no trouble to name them for you.

Very truly yours
John Macoun

Mr. A. E. Attwood
301 University St.
Kingston
Ont.

Dec. 3rd 1

My dear Sir

Your letter and the specimens came this morning and I have named them and return them with the note. You will see that I have numbered some of them not some duplicates.

If you have any others you can send them along as I will consider it no trouble to name them for you.

Very truly yours
Edward Macoun

Mr. A. E. Attwood
301 University St.
Kingston
Ont.

Ottawa 6th Dec. 4

Dear Sir

Your letter was received some days since but has been mislaid by either my father or myself. I can, however, answer it from memory I think.

Mr. Whiteaves wished me to say that he will be very glad to get the Brown Crane and will give you what you want in exchange. He would however like to know on what basis the exchange is to be made and this applies to my father as well. It doesn't make much difference for one bird or so but if as we hope the exchange will be an extensive one it would be well to arrange beforehand the basis of exchange.

Many thanks for the Biological Journal and Hammock stations in which we notice some that must be many; either my father or I will write about them soon.

Yours Truly

Jas. M. Macoun

J. H. Fleming
Rusholme Road
Toronto.

Ottawa 6th Dec. 9[illegible]

Dear Sir

Your letter was received some days since but has been mislaid by either my father or myself. I can, however, answer it from memory I think.

Mr. Whiteaves wished me to say that he would be very glad to get the Peace River [illegible] and would give you what you want in exchange. He would however like to know on what basis the exchange is to be made and this applies to my father as well. It doesn't make much difference for one kind or the [illegible] as we hope the exchange would be an extensive one it would be well to arrange beforehand the basis of exchange.

Many thanks for the [illegible] [illegible] to which we notice some [illegible]. I believe that must be wrong, [illegible] my father or I [illegible] with that name.

Yours truly
Geo. M. Dawson

G. H. [illegible]
[illegible] Bank
Toronto.

Dec. 5th 4

My dear Sir

Your letter came this morning and in reply I send the following — A. distantifolium, vacillans, sub-compressum (2) dissitifolium (2) fenestratum and spinifolium.

I send the specimens just as they are and give your permission to use them as you see fit as long as you do not mutilate them too much.

My specimen of A. serpens var. xanthophyllum has been mislaid as has not been sorted in with the others. I hope to find it soon and will send it on.

Leskea Wardii was named by Austin. I have no specimen now. Mr. Britton has Austin's specimens collected by me north of Lake Superior in 1869. A. vacillans was named by Austin and confirmed by Lindberg.

Please return the specimens as soon as you have completed the work.

Very sincerely yours
John Macoun

Mr. L. S. Cheney
University of Wisconsin
Madison Wis.

Dec. 5th

My dear Sir

Your letter came this morning and in reply I send the following — A. [illegible], [illegible] [illegible] (2) [illegible] (3) [illegible] and [illegible].

I send the specimens just as they are and give you permission to use them as you see fit as long as you do not mutilate them too much.

My specimens of [illegible] [illegible] [illegible] are also mislaid as has not been [illegible] in with the others. I hope to find it soon and will send it to [illegible]. [illegible] were named by Austin. I have the specimens now. Mr. Bebb has Austin's specimens collected by me north of [illegible] in 1869. [illegible] were named by Austin and confirmed by [illegible].

Please return the specimens as soon as you have completed the work.

Very sincerely yours
[illegible]

Mr. E. J. [illegible]
University of Wisconsin
Madison Wis.

List of New Brunswick Cryptogams.
Collected March 1884

1 Leucodon brachypus
2 Brachythecium rivulare (54)
3 Sphagnum acutifolium var. parvifolium
4 Brachythecium (70)
5 Homalia Macounii (52)
6 Plagiothecium elegans? (60)
7 Thelia compacta
8 Plagiothecium denticulatum? (59)
9 Thuidium recognitum
10 Amblystegium (63)
11 Not Mnium (51) Webera very likely.
12 (69)
13 Hypnum imponens (linear) (56)
14 Hypnum (64)
15 Not Camptothecium stellatum but two barren species of amblystegium
16 Not Camptothecium but Amblystegium (55)
17 Brachythecium reflexum probably (57)
18 17^a " = 68
19 Dichelyma pallescens (61)
20 (No number) capillaceum (74)
21 Sphagnum compactum var. squarrosum
22 Sphagnum " "
23 Sphagnum cymbifolium var. laeve
24 Sphagnum acutifolium var. mucronatum
25 Sphagnum intricatum var. subtilissima
26 Sphagnum Wulfianum
27 " = 26
28 Hypnum (62)
29 Bryum bimum mixed with a Hypnum.
30 Webera nutans and stems of a Bryum
31 ~~Leucodon sciuroides~~ 31^a Webera nutans.
32 ~~Brachythecium~~ Leucodon julaceus? (53)

33 (66)
32a Brachythecium rivulare ? (65)
34 Hypnum (73)
35 (67)
36 (68)

Explain — = Brachythecium acuminatum
30 Clarks sings shows then this. I never saw anything like this before, are you sure the corresponding in note to
1 Lichen = Parmelia Borr.
2 Lichen = Physcia obscura (fungus)
3 Lichen = Alectoria ~~ochroleuca~~ = bicolor
1 Fungus = Agaricus mellens N.2
16a Campylopus annulatus not that species (72)

Other numbers which may have been sent before.

8 9 1868 Plagiothecium denticulatum

My dear Sir

Your letter and parcel came in due time and the card this morning. You are quite right in calling my b. compactum the b. rigidum of ~~Bry~~ & Journal. I have a number of things belonging to you that have never been properly examined that will be worked over this winter.

I have this day sent the two Orthotrichums to a man who has just monographed the genus. On the list you will find a set of Numbers like this = (61). These numbers refer to specimens sent away for identification keep these as I will refer to them when I get the proper names. The fungus is reported to be edible in the English books. Send any Sphagnums you see at once about. I will get at all other species you speak of shortly.

Very truly yours
John Macoun

Mr John Moser
Canaan Forks N.B.

58 [illegible] (66)
59 Brachythecium [illegible] ? (65)
60 Hypnum [illegible] (73)
15 (67)
16 (68)

Sphagnum [illegible] = [illegible]
40 [illegible]
[illegible]
1 [illegible] = [illegible]
2 [illegible] = [illegible] ([illegible])
3 [illegible] = [illegible]
1 [illegible] = [illegible] No. 2
10 [illegible] (72)
Other numbers which may have been sent

[illegible]
47 [illegible]

My dear Sir

Your letter and parcel came in due time and the card this morning. You are quite right in thinking [illegible] may be [illegible] [illegible] I have a number of things belonging [illegible] that have never been properly examined [illegible] worked over this winter.

I have this day sent the two [illegible] to a man who has just monographed the genus. On the list you will find a sort of [illegible] like this (61). These [illegible] [illegible] [illegible] The [illegible] is [illegible] the English [illegible] [illegible]

Very truly yours
John Macoun

[illegible]

Jas. Whiteley
Edmonton
Ont

Dec. 10th '9[illegible]

Dear Sir

Your letter and the packet of plants were duly received. I shall soon send you exchange for these. I think I told you before, but am not sure, that there is no necessity of paying postage on letters and parcels sent here. They should be addressed as on the enclosed envelope.

Yours truly
Jas. M. Macoun

Prof. Wm. Scott
Normal School
Toronto

10 Dec. '9[illegible]

Dear Sir

Your note and check-list were received some time since. I have been going all over [illegible] mounted collection of plants for [illegible] lately [illegible] get at the distributing [illegible] but as soon as the [illegible] get out [illegible] plants you [illegible] be among [illegible] he will be very [illegible] My [illegible] plants when they are ready glad to look over your [illegible]

Yours Truly
Jas. M. Macoun

Dear Sir

[illegible]

Yours truly

Dear Sir

[illegible]

Yours truly

10 Dec. 9

Dear Sir

I sent you a day or two ago two packets of plants containing 280 species of Behring Sea plants. The flowering plants are in some cases small and the number of specimens fewer as I stated in my circular. The cryptogams are for the most part of the usual size and among them you will find many new and rare species.

I send in the same packets a few other specimens for your herbarium. Our distributing work progresses very slowly. My father and I continue to do the whole work of the herbarium as we have always done — labelling, mounting and all and it leaves little time for the work which seems to me that though less pressing more important

Yours truly
Jas. M. Macoun

Dr. Wm. Trelease
Shaw School of Botany
St. Louis. Mo.

Dec. 10

Dear Sir

I sent you a day or two ago two packets of plants containing 250 species of [illegible] Sea plants. The following plants are in some cases [illegible] and the number of specimens [illegible] as I stated in my circular. The Cryptogams are for the most part of the [illegible] and among them you will find many new and rare species.

I send in the same packets a few other specimens for your herbarium, [illegible] distributing with [illegible] very shortly. They [illegible] and I [illegible] the whole [illegible] of the herbarium as we have already [illegible] — labelling, mounting and [illegible] [illegible] time for the work [illegible] [illegible] most important

Yours truly
Geo. W. [illegible]

Mr. Wm. Trelease
Shaw School of Botany
St. Louis. Mo.

Prof. W. G. [illegible]
Cambridge(?)
Mass.

Dec. 10th [illegible]

Dear Sir

Many many thanks for your note of Dec. 9th with determination of plants sent you. I wrote Prof. Robinson some time since asking whether he would like a [illegible] of my father's [illegible] [illegible] plants [illegible] only those that have not been sent [illegible] [illegible] the [illegible] [illegible] before. I shall soon distribute the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] to write you or be kindly advise me as to the [illegible] [illegible]!

Yours Truly
Jas. M. Macoun

Dec. 12th 4

My dear Sir,

Your letter and parcel came safely and below you will find the names. I return the numbers you desired. Should I go west in spring I will let you know and perhaps go and see you but there is no certainty of that as matters stand now. We have just heard of the death of Sir John Thompson in London and the results of it may be far reaching.

1 Castilleia coccinea (correct)
2 Spiranthes Romanzoffiana (correct)
3 Viola canina var. longipes
4 Physostegia parviflora
5 Cypripedium spectabile
6 Cirsium undulatum
7 Gaillardia aristata
8 Fragaria vesca (correct)
9 ~~Chenopodium capitatum (correct)~~
10 Habenaria bracteata var. viridis? (See Pen)
11 Rosa acicularis var. Bourgeauiana
12 Antennaria dioica

Dec. 12th

My dear Sir,

Your letter and parcel came safely and below you will find the names. I return the numbers you desired. Should I go out in spring I will let you know and perhaps go and see you but there is no certainty of that as matters stand now. We have just heard of the death of Mr John Thompson in London and the results of it may be far reaching.

1 [illegible] (correct)
2 [illegible] (correct)
3 [illegible] var. [illegible]
4 [illegible]
5 [illegible]
6 [illegible]
7 [illegible]
8 [illegible] (correct)
9 ~~[illegible]~~ (correct)
10 [illegible] var. [illegible]
11 [illegible]
12 [illegible]

13 Sisyrinchium mucronatum
14 Oxytropis Lamberti
15 Amarantus retroflexus (correct)
16 " " albus (Correct)
17 Hedysarum Mackenzii (correct)
18 Astragalus flexuosus

No 9 is not what you named it. I make it <u>Iva xanthiifolia</u> and it should be part of a coarse plant growing say in alluvium by the river.

No 5 must be what I make it but if so and gathered near Battleford it is far west of its range. It should be an eastern specimen.

Very truly yours
John Macoun

Rev. C. W. Bryden
Battleford
N. W. T.

13 [illegible] [illegible]
14 Oxytropis Lamberti
15 Anemone multifida (correct)
16 " " alba (correct)
17 Ranunculus Macounii (correct)
18 Astragalus [illegible]

No 2 is not what you marked it. I make it [illegible] [illegible] and it should be part of a [illegible] [illegible] [illegible] in allusion to the [illegible].

No 5 must be what I make it but it is only scattered near Battleford it is far north of its range. It should be an eastern specimen.

Very truly yours
John Macoun

Rev. E. H. [illegible]
Battleford
N. W. T.

List of Plants collected by Mr [illegible]
[illegible] During 1884

1 Viola lanceolata
2 Helianthus can hardly be rejected as there are no species
3 Coptis trifolia
4 Cardamine rhomboidea (May be a western one [illegible]
5 Cassandra calyculata
6 Aspidium cristatum var. Clintonianum (Gray)
7 Geum rivale
8 Pirus arbutifolia
9 Cornus Canadensis
10 Camelina sativa
11 Lepidium campestre
12 Hyoscyamus niger
13 Chrysosplenium Americanum
14 Galium trifidum
15 Viola canina var. sylvestris (White form ?)
16 Cerastium nutans
17 Convolvulus spithamaeus
18 Ceanothus Americanus
19 Amelanchier Canadensis var. rotundifolia
20 Galium pilosum ✓
21 Senecio aureus var. Balsamitae
22 Cynoglossum Virginicum ✓
23 Acer spicatum (may be a small flowered variety) (be doubtful.)
24 Euonymus Americanus or atropurpureus (Flowers should)
25 Habenaria viridis var. bracteata
26 Arabis confinis
27 Astragalus Cooperi
28 Campanula rotundifolia
29 Saponaria Vaccaria
30 Habenaria psycodes
31 " virescens ✓
32 Helianthus pumilus
33 Samolus Valerandi var. americanus ✓
34 Physalis pubescens
35 Cyperus filiculmis
36 " Schweinitzii
37 Corispermum hyssopifolium
38 Artemisia Canadensis
39 Ptelea trifoliata
40 Polanisia graveolens
41 Lampsana communis
42 Solidago squarrosa ✓
43 Monotropa Hypopitys
44 Cakile Americana ✓
Aster.
45 [illegible] hispidula ✓
46 [illegible] nymphylloides
47 [illegible] linearis
48 [illegible]

1 [illegible]
2 [illegible]
3 [illegible]
4 [illegible]
5 [illegible]
6 [illegible]
7 [illegible]
8 [illegible]
9 [illegible]
10 [illegible]
11 [illegible]
12 [illegible]
13 [illegible]
14 [illegible]
15 [illegible]
16 [illegible]
17 [illegible]
18 [illegible]
19 [illegible]
20 [illegible]
21 [illegible]
22 [illegible]
23 [illegible]
24 [illegible]
25 [illegible]
26 [illegible]
27 [illegible]
28 [illegible]
29 [illegible]
30 [illegible]
31 [illegible]
32 [illegible]
33 [illegible]
34 [illegible]
35 [illegible]
36 [illegible]
37 [illegible]
38 [illegible]
39 [illegible]
40 [illegible]
41 [illegible]
42 [illegible]
43 [illegible]
44 [illegible]
45 [illegible]
46 [illegible]
47 [illegible]

49 Cnicus muticatum
50 Tussilago Farfara (Colts' foot) —
51 Poa Agropyrum caninum
52 Andropogon provincialis
53 Orthocarpus luteus
54 Pyrola rotundifolia var. asarifolia
55 Troximon glaucum
56 Erigeron glabellus
57 Liatris scariosa
58 " punctata
59 Elaeagnus argentea
60 Artemisia Ludoviciana
61 " frigida
62 Cnicus undulatus
63 Solidago rigida
64 Hieracium umbellatum
65 Lactuca pulchella
66 Apocynum androsaemifolium
67 Lophanthus anisatus
68 Lomaria Spicant
69 Aspidium aculeatum } Very likely true English ferns
70 Scolopendrium vulgare

My dear Sir,
Please find above the names of your plants. You see you are still adding to your collections.
I would like specimens for our herbarium of Nos. 20, 22, 24, 31, 33, 43, 45, 47, 50, 69.

You will notice that No 50 may be called an addition to our flora.
Nos 68, 69 & 70 are no doubt English ferns although No 68 & 70 grow with us in Canada. I would like if possible all I ask for and particularly 31, & 50. Give my kind regards to Mrs. Cameron and tell her I am quite sure she spoke well of me in the North West.

Very truly yours
John Macoun

No 50 [illegible]
51 [illegible]
52 [illegible]
53 [illegible]
54 [illegible]
55 [illegible]
56 [illegible]
57 [illegible]
58 "
59 [illegible]
60 [illegible]
61 "
62 [illegible]
63 [illegible]
64 [illegible]
65 [illegible]
66 [illegible]
67 [illegible]
68 [illegible]
69 [illegible] } Very likely the English form
70 [illegible]

My dear Sir,
I have put above the names of your plants. You see you are not adding to your collection.
I would like specimens for our herbarium of Nos. 20, 22, 24, 31, 33, 43, 45, 47, 50, 63.
You will notice that No 60 may be called an addition to our flora.
Nos 68, 69 & 70 are no doubt English forms although Nos 68 & 70 [illegible]
I would like [illegible] 31 & 50. [illegible] Mr. [illegible] and [illegible] in the [illegible]

Yours very truly
John Macoun

Dec. 17th 4

My dear Sir

Your note with the enclosed list of plants came this morning and I hasten to reply. At no time do we purchase collections of plants for our herbarium as we get all we can manage by exchange. At the same time, if we had any money, I would make an application for a sum to purchase yours but we got behind $20,000 last year and this year we are trying to pay it back.

It is just possible that after July we may be able to do something but I fear there is no hope.

Very sincerely yours
John Macoun

Mr. A. A. Heller
411 W. Walnut St.
Lancaster
Pa.

Dec. 17th '4

My dear Sir

Your note with the enclosed list of plants came this morning and I hasten to reply. At no time do we purchase collections of plants for our herbarium as we get all we can manage by exchange. At the same time, if we had any money I would make an application for a sum to purchase yours but we got behind $20,000 last year and this year we are trying to pay 3 bills. It is just possible that after January we may be able to do something but, I fear there is no hope.

Very sincerely yours
John Macoun

Mr. A. A. Heller
116 W. [illegible] St.
Lancaster
Pa.

Decr. 17th 4

Dear Mr. Hill

Your letter came this morning and I hasten to say that I will gladly name the specimens for you so please send them by mail at your convenience.

I am very glad to hear from you and hope that your geological trip may be both a pleasure and a profit.

We are jogging on in the old way and hope to achieve something before we get our summons.

Wishing you and yours a pleasant Xmas and happy New-year

I remain truly yours

John Macoun

A. J. Hill C. E.
New Westminster
B. C.

Dec. 13th

Dear Mr. Hale

Your letter came this morning and I hasten to say that I will gladly name the specimens for you as you have sent them by mail at your convenience.

I am very glad to have you get and hope that your geological trip may be both a pleasure and a profit.

We are jogging on in the old way and hope to achieve something before we get our summons.

Wishing you and yours a pleasant Xmas and happy New-Year

I remain truly yours

John Macoun

C. J. Hale C. E.
New Westminster
B.C.

Dec. 19th 4

My dear Sir

Please find below the names of the specimens sent and received this P.M.

A. This specimen is *Prunus serotina*. You can always distinguish this species from *P. Virginiana* by the appressed, short, incurved teeth of the leaf borders. In P. Virginiana the teeth are sharp and slender.

Yes B is *Cryptotaenia Canadensis*

C, is *Veronica Scutellata*, Linn, and ~~D~~ E is *V. serpyllifolia*, Linn.

Yes F is *Cornus stolonifera*, Michx.

D, is an interesting thing. It was only the other day that I made it out. It has never been found in Canada before as far as I am aware. I placed the specimen you sent before amongst my own specimens and just found it a few days since. The plant is *Asperugo procumbens*, Linn. and is native in Europe and Asia.

Very truly yours
John Macoun

Mr. Charles A. McGillivray
Whitby Ont.

Dec. 17th 4

My dear Sir

Please find below the names of the specimens sent and received this P.M.

A. This specimen is Prunus serotina. You can always distinguish this species from P. Virginiana by the different, incurved teeth of the leaf borders. i.e. P. Virginiana the teeth are sharp and slender.

No. B is Cryptotaenia Canadensis

C, is Viburnum [illegible], Linn., and D is V. acerifolium, Linn.

No. E is Cornus alternifolia, Michx.

Q. is an interesting thing. It was only the other day that I made it out. It has never been found in Canada before as far as I am aware. I placed the specimens you sent before arranging my own specimens and found it a few days since. The plant is [illegible] [illegible], Linn. and is native in Europe and Asia.

Very truly yours
John Macoun

[illegible]
Mr. Charles H. M'Gillivray
Whitby, Ont.

List of Mr. Allison's Plants from Similkameen B.C. 1894.

Cornus Canadensis
Corallorhiza multiflora
Antennaria dioica Var. rosea.
Apocynum androsaemifolium
Clematis ligusticifolia
Amelanchier alnifolia
Erigeron hieracioides
Achillaea millefolium
Lupinus laxiflorus
Geranium dissectum
Pyrola secunda
Arctostaphylos Uva-ursi
Crataegus rivularis
Ceanothus Velutinus
Anaphalis margaritacea
Viola Canadensis
Lonicera involucrata
Erigeron speciosus
Lupinus argenteus
Senecio aureus Var. croceus
Antennaria = 42
Cardamine Breweri, Watson
Pyrola chlorantha
Moneses uniflora (large single flowers)
Heuchera cylindrica Var. ovalifolia.
Pentstemon confertus Var. caeruleo-purpureus
Clematis verticillaris Var. Columbianus, Gray
Rosa Arkansana Porter
Spiraea betulifolia
Castilleja miniata
Galium boreale
Scutellaria galericulata
Vicia Americana
Arabis Lyallii
Habenaria hyperborea
Geranium Richardsonii
Astragalus campestris
Arnica alpina
Arenaria capillaris var. nardifolia
Somandra pallida = 61
Saxifraga bronchialis
Mitella longipes (The two stems)
Anemone Pulsatilla multifida
Antennaria Carpathica Var. pulcherrima
Geum triflorum
Potentilla glandulosa
Hypericum amphibium

Chamaenerion? Douglasii
~~[illegible]~~
Antennaria plantaginifolia = 42
Brodiaea Douglasii
Fritillaria pudica
Gaillardia aristata
Habenaria obtusata
Lilium Columbianum
= 20
Fritillaria lanceolata
Phacelia circinata
Aquilegia formosa
Thalictrum occidentale Gulcare
Claytonia Caroliniana Var. sessilifolia
Polemonium humile Var. pulchellum
1 Romanzoffia Sitchensis?
62 = 38
63 Erigeron concinnus
Gaillardia aristata (The coarse specimen on left.)
64 Carex festiva
Carex siccata (The specimen on left.)
65 Ranunculus affinis Var. validus
66 Gilia aggregata Spreng.
67 Peucedanum utriculatum
68 Achillea Millefolium var.
69 ~~Lychnis Douglasii~~ Silene multicaulis, Nutt.
70 Lathyrus ochroleucus
71 = 56.
72 Ranunculus occidentalis Var. Lyallii

Dec. 21st 1884.

Dear Mr. Hill.

I have gone carefully over the parcel of specimens received from you yesterday and have named them all. There are two Nos. 22 + 68 which are poor and young and which are rare in our herbarium they may be incorrectly named. All the others are all right.

Next season I would like full sized specimens of Nos. 22, 27, 48, 50, 82, 65 - 69.

The specimens are very nicely prepared and reflect great credit on Miss Allison. All the species have been collected by us and next season I hope Miss Allison will get [illegible] we have not seen in B.C. yet.

If you compare my catalogue with the specimens you will see the range of the species.

Very truly yours
John Macoun

A. J. Hill C. E.
New Westminster

Brachythecium plumosum
Brachythecium [illegible]
Hylocomium [illegible]
Climacium Americanum
= 20
Antitrichia curtipendula
[illegible] [illegible]
[illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] Var. [illegible]
[illegible] [illegible] Var. [illegible]
[illegible] [illegible]
= 38
[illegible] [illegible]
[illegible] [illegible] (The same specimen as 47.)
[illegible] [illegible]
[illegible] [illegible] (The specimen no. 48.)
65 [illegible] [illegible] Var. [illegible]
66 [illegible] [illegible] [illegible]
67 [illegible] [illegible]
68 [illegible] [illegible] [illegible].
69 ~~[illegible]~~ [illegible] [illegible], [illegible].
70 [illegible] [illegible]
71 = 56.
72 [illegible] [illegible] Var. [illegible]

Dec. 21st 1896.

Dear Mr. Fitt.

I have gone carefully over the packet of specimens received from you yesterday and have named them all. There are two Nos. 22 & 69 which are poor and young and which are rare in our herbarium these may be incorrectly named. All the others are all right.

Next season I would like good ripe specimens of Nos. 22, 27, 41, 50, 52, 65 – 69.

The specimens are very nicely prepared and reflect great credit on Miss Ottiven. All the specimens have been collected by me and next season I hope Miss Ottiven will get those we have not seen in B.C. yet.

If you can send any collection with the specimens your notes are the same of the species.

Yours very truly
John Macoun

O. J. Fitt Esq.
New Westminster
B.C.

Dec. 21st. 4

My dear Sir,

Your card has been received. The man who gave you the "black moss" was fooling you. He never found it in New Brunswick. It is in reality a species of Spanish Moss or Tillandsia which is not a moss but a flowering plant. This hangs on trees in the southern swamps and is used for stuffing beds or mattresses. It is related to Iris.

Sphagnum molluscum & S. tenellum of Lesq. James are the same. My Sphagnum tenellum is rubellum not rubellum of Lesq. & James. If you have this book you will see this for yourself. If you have not it then take my word for it. Any light coloured S. tenellum you may have is very likely S. molluscum.

Very truly yours
John Macoun

John Moser
Canaan Forks
Queen's Co.
N. B.

Dec. 21st

My dear Sir,

Your card has been received. The man [illegible] "Black Mare" was [illegible] you, He [illegible] of his New Brunswick. It is [illegible] of Spanish horse, or [illegible] which is not a more [illegible] [illegible]

Very truly yours
[illegible]

Dec. 31st

My dear Madam

I have been at work all day on the specimens. I find you have sent 60 species. Nos. 33, 35, 36 & 21 are garden flowers and beyond me at present. The collection is very varied and quite interesting. As this is the last of the year I wanted to return the parcel ~~tonight~~ but it is too late.

I would like to obtain a specimen each of the following species, and should you not be able to let me ~~have~~ have them I want exact data regarding them at any rate to publish in the Record of Science.

Nos. 14, 15, 41, 47 & 55. Nos. 14 & 15 are evidently introduced but I want to know if they are running wild. No. 41 Is an English species and should also be a garden escape. No 47 Must be from west of Toronto as it is not known to grow in eastern Canada. No. 55 is a native of Southern Eastern Europe and I wish to learn as much as possible about it.

Very sincerely yours
John Macoun

Dec. 31st

My dear Madam

I have been at work all day on the specimens. I find you have sent 60 species. Nos. 33, 35, 36 & 21 are garden flowers and beyond me at present. The collection is very varied and quite interesting. As this is the last of the year I wanted to return the parcel brought but it is too late.

I would like to obtain a specimen each of the following species and should you not be able to let me have ~~those~~ these I want all the data regarding them at any rate to publish in the Record of Species.

Nos. 14, 15, 41, 47 & 55. Nos. 14 & 15 are evidently introduced but I want to know if they are growing wild. No. 41 is an English species and should also be a garden escape. No 47 must be from east of Toronto as it is not known to grow in western Canada. No. 55 is a native of South Eastern Europe and I wish to know as much as possible about it.

Very sincerely yours
John Macoun

Dear Mrs. Brooks (Dec. 31st 4

Your letter and parcel reached me this morning and I hasten at once to name the plants and return them. I put numbers on the sheets to correspond with the numbers on this list.

1 Polygonum Pennsylvanicum
2 Achillea Ptarmica (my son obtained this at the Ch[illegible].)
3 Veronica Buxbaumii
4 Oxycephalum parviflorum
5 Chenopodium album (this species is very variable)
6 Lathyrus palustris
7 Vicia sativa
8 Veronica serpyllifolia
9 Specularia perfoliata
10 Lithospermum officinale
11 Hypericum ellipticum
12 Euphorbia Peplus
13 Cicuta maculata (grown in shade)
14 Chaerophyllum temulum, (introduced)
15 Vincetoxicum nigrum
16 Gentiana Andrewsii
17 Allium reticulatum? (not a perfect specimen)
18 Astragalus alpinus
19 Eleocharis obtusa
20 Physalis lanceolata
21 I cannot make it out (a garden flower)
22 Physalis Virginiana
23 Viola canina var. sylvatica
24 Aspidium cristatum var. Clintonianum
25 Polygonum Hartwrightii
26 Solidago arenophylla
27 Linum striatum

Dec. 31st

Dear Mrs. Davis:

Your letter and plants reached me this morning and I hasten at once to name the plants and return them. I put numbers on the sheets to correspond with the numbers on this list.

1 Polygonum Pennsylvanicum
2 Solidago Canadensis (by no means the [illegible] of the [illegible])
3 Erigeron Canadensis
4 Gnaphalium polycephalum
5 Chrysopsis villosa (this species is very common)
6 Lathyrus palustris
7 Viola [illegible]
8 [illegible]
9 [illegible]
10 Lithospermum officinale
11 Hypericum [illegible]
12 Euphorbia Peplus
13 [illegible] (common in [illegible])
14 Chaerophyllum [illegible] ([illegible])
15 [illegible]
16 [illegible]
17 Allium [illegible] (not a perfect specimen)
18 [illegible]
19 [illegible]
20 [illegible]
21 I cannot make it out ([illegible])
22 [illegible]

28 Lespedeza capitata
29 Solidago speciosa.
30 Aster junceus
31 " sagittifolius
32 " azureus
33 This looks like Coreopsis scabra var. laevis
34 Don't know it. Echinacea purpurea?
35 Helianthus decapetalus
36 " strumosus
37 Can't know it.
38 Teucrium Canadense
39 Aster tardiflorus (I believe this is correct but I would like to see more of it.
40 Salix discolor
41 Geranium sylvaticum.
42 Aspidium (This is an abnormal specimen and I am not sure of it. I believe however it is one form of marginale
43 Salix rostrata = livida var. occidentalis
44 Potentilla Canadensis var. simplex
45 Bidens cernua
46 Brassica Sinapistrum
47 Lithospermum latifolium (Specimen must have come from above Toronto)
48 Bidens frondosa
49 Asplenium Filix-foemina
50 Botrychium ternatum var. lunarioides
51 Sisyrinchium ? seems to be the rootleaves of S. Bermudiana.
52 Oxytropis campestris var. caerulea
53 Plantago lanceolata
54 Potamogeton heterophyllus
55 Myagrum perfoliatum. Linn.
56 Ardisia conferta. Watson
57 Salix alba var caerulea
58 " lucida
59 Astragalus Booth?
60 Corallorhiza multiflora

28 Euphorbia capitellata
29 [illegible]
30 Aster [illegible]
31 " [illegible]
32 " [illegible]
33 [illegible]
34 [illegible]
35 [illegible]
36 " [illegible]
37 [illegible]
38 [illegible]
39 [illegible]
40 [illegible]
41 [illegible]
42 [illegible]
43 [illegible]
44 [illegible]
45 [illegible]
46 [illegible]
47 [illegible]
48 [illegible]
49 [illegible]
50 [illegible]
51 [illegible]
52 [illegible]
53 Plantago lanceolata
54 [illegible]
55 [illegible]

Jan. 3d 5

My dear Sir.

Your circular reached me today and in answer I may say that I will be glad to take your series but cannot promise the money at present as we have no funds nor will have before July.

I have a large number of duplicates of the Algae around Vancouver Island which I would gladly exchange as far as they would be useful to you. They will all be determined by Dr. Farlow. Most of them are carefully floated on stiff paper and others are dried on paper and floated but they did not adhere.

Please write and let me know what you think of my offer. Should I subscribe you will get no money before July.

Very truly yours
John Macoun

Mr. Frank S. Collins
97 Appleton St
Malden
Mass.

Jan. 8th 5

My dear Sir.

Your circular reached me today and in answer I may say that I will be glad to take your series but cannot promise the money at present as we have no funds — nor will have before July.

I have a large number of duplicates of the Algae around Vancouver Island which I would gladly exchange as far as they would be useful to you. They will all be determined by Dr. Gardner. Most of them are carefully floated on stiff paper and others are dried on paper and floated but they did not adhere.

Please write and let me know what you think of my offer. Should I subscribe you will get no money before July.

Very truly yours
John Macoun

Mr. Frank S. Collins
97 Dexter St.
Malden
Mass.

Dear Dr. Coues. Jan. 3rd 5

Your letter and list came a day or two since and I have now an opportunity to answer your queries as far as possible.

There is no oak but the one and the same may be said of the elm of the region as well as the poplars. "Liard" may be either P. balsamifera or P. monilifera as the term is applied to the "cottonwood". I incline to P. balsamifera as the species in the river bottoms at Pembina.

"Grateu" Dr. Cowan says means some kind of burr which is common in the river bottoms. My opinion is that the particular burr is Echinospermum floribundum or deflexum or both as both grow in the valley of the Red River.

"Bois blanc" cannot be Basswood. It must be Cottonwood for that is the whitewood of Canadians.

The awl pointed grass is Stipa spartea. The base of the awl has a very sharp point which is a little hooked and goes into everything and remains.

The principal "Buffalo Grasses" are Bouteloua oligostachya and Stipa spartea and comata. The former is the more southern one.

"Petites de femme" Dr. Cowan says are tussocks in swamps and may be any kind of grass or other plants.

I cannot make out what "Bois inconnu" is. It might be cedar Thuya occidentalis which is not native there and hence unknown in the district or it might be willow which is certainly light and

Jan. 30th

Dear Dr. Emer.

Your note and [illegible] key to [illegible] since which I have been [illegible] your queries as far as possible.

There is no doubt but the one about the name may be said of the whole of the region [illegible]. "Lucid" may be either [illegible] or [illegible] as the term is applied to the "[illegible]" [illegible] as the [illegible] at [illegible].

"[illegible]" Dr. [illegible] says [illegible] [illegible] in the [illegible]. My opinion is that the [illegible] is [illegible] [illegible] or [illegible] on the [illegible] of the [illegible].

"[illegible]" cannot be [illegible]. It must be [illegible] for that is the [illegible].

The [illegible] is [illegible] the [illegible] of the [illegible] which is a [illegible] and [illegible].

The [illegible] "[illegible]" [illegible] and [illegible]. The [illegible] is the [illegible].

[illegible] Dr. [illegible] says [illegible] and may be any [illegible] of [illegible].

I cannot make out what "[illegible]" is. It might be [illegible] which is not [illegible] and [illegible] in the [illegible] or it might be [illegible] which is [illegible].

2

bends easily. The Prickly Ash is beyond me. The small Bastard Sugar Maple must be Negundo aceroides.

"Eagerbois" is very likely Psoralea esculenta but it is larger than a man's finger. It might be the Wild Liquorice (Glycyrrhiza lepidota) This has a long root nearly as thick as one's finger.

"Rat-tail" I cannot even guess at still I may mention Potentilla Anserina which grows tubers that are eaten and certainly I prefer them to Pomme de Terre which I lived on for nearly three days on one of my trips.

The above is: the conclusions and knowledge of Dr. Dawson and myself and are correct except where I mention that I am guessing. There are no prickly shrubs in the country except Buffalo Berry, White Thorn and Rose-bush as far as I am aware. My opinion is however that the Prickly Ash is Aralia hispida that grows near that region if not in it. Celastrus scandens fills the bill and I have collected it myself.

Wishing you and Mrs. Coues the compliments of the season. I remain very truly yours

John Macoun

Dr. E. Coues
Washington
D. C.

2

[illegible] easily. The Prickly Ash is beyond me.
The name Zanthoxylum Fraxineum must be Zanthoxylum
americanum.

"Cuspidata" is very likely Juniperus virginiana
but it is larger than a mature juniper. It might
be the white Juniperus (Chamaecyparis) thyoides.
This has a very neat remedy as much as most
junipers.

"Red-bud" I cannot now place at all.
I may mention Ostrya Virginica which
grows taller than we are told and certainly of
them the Persimmon at Isle which I did not find
nearly three days—one of my trips.

The above tho: the conclusions and
knowledge of Dr. Carson and myself are at
least enough when I mention that I am gone
very. These were fairly abundant in the cemetery
except Catalpa, Orange, White Thorn and Persim-
mon as far as I know. My opinion is
however that the Prickly Ash is Celtis Virginica
that grows near that region if not in it.
Celastrus scandens fills the bill and I have not
looked it up yet.

Wishing you and Mrs. Carson the compliments
of the season, I remain very truly yours
Joseph Meehan

Dr. W. Barnes
Washington D.C.

3 Jan. 7th 5

My dear Sir.

Your letter of Dec. 18th came in due time but was mislaid owing to the holidays.

Regarding the information you ask for I may say that we have no practical knowledge here ~~that~~ would be original as we do not cultivate anything.

I have collected all the Mushrooms you mention and know where they prefer to grow but could not advise about their culture. If they were cultivated you could get no person to buy them and scarcely any one to eat them. The "Maned Mushroom" if you mean by that Coprinus comatus grows here in immense quantities on road scrapings but with the exception of myself and one or two others ~~at~~ no person will touch it.

Of the genus Lepiota we have a number of species some of them very large but no person touches them so we just catalogue them.

I have looked over a couple of works on edible Mushrooms which we have in our library and find nothing on the cultivation of any species but the common one.

Very sincerely yours
John Macoun

M. R. A. Hope
Thorold
Ont.

3

Jan. 7th 5

My dear Sir.

Your letter of Dec. 18th came in due time but was mislaid owing to the holidays.

Regarding the information you ask for I may say that we have no practical knowledge here ~~that~~ would be original as we do not cultivate anything.

I have collected all the Mushrooms you mention and know where they grow but could not advise about their culture. If they were cultivated you could get no person to buy them and scarcely any one to eat them. The "Horse Mushroom" If you mean by that Agaricus arvensis grows here in immense quantities on rich pastures but with the exception of myself and one or two others no person will touch it.

Of the genus Hydnum we have a number of species some of them very large but no person touches them nor are good cooks for them.

I have looked over a couple of works on edible Mushrooms which we have in our library and find nothing on the cultivation of any species but the common one.

Very sincerely yours
John Macoun

Mr. B. A. Hope
[illegible]

4

Jan. 7th 5

Dear Prof. Farlow:

I now take advantage of your kindness and send down for identification 223 specimens of seaweeds. Many of the larger ones I could name but thought on account of locality you would like to see them.

Those numbered from 1–93 inclusive are from ~~Barkley~~ Barclay Sound, during August 1887, on the west coast of Vancouver Island. Those numbered from 94–149 inclusive are from Comox a point on the Gulf of Georgia 150 miles north of Victoria, collected in June 1893. Those numbered from 150–181 inclusive were collected at Sooke, spring July 18[illegible] 25 miles south of Victoria and also on the Gulf of Georgia. The remaining numbers to 201 are from various localities. Those numbered from 202–223 ~~to~~ I would like returned in whole or in part as I have, as far as I am aware, no others of these kinds.

Should you desire more material or more information I will be glad to send it if in my power.

Wishing you the compliments of the season, I remain very sincerely yours

John Macoun

Jan. 7th 5?

Dear Prof. Farlow:

I now take advantage of your kindness and send down for identification 223 specimens of mosses. Many of the larger ones I could name but thought on account of locality you would like to see them.

Those numbered from 1–73 inclusive are from ~~Burnaby~~ Barkley Sound, during August 1887, on the west coast of Vancouver Island. Those numbered from 74–149 inclusive are from Comox a point on the Gulf of Georgia 130 miles north of Victoria, collected in June 1893. Those numbered from 150–181 inclusive were collected at [illegible], during July 1893, 35 miles north of Victoria and also on the Gulf of Georgia.

The remaining numbers to 201 are from various localities. Those numbered from 202–223 I would like returned in whole or in part as I have, so far as I am aware, no others of these kinds.

Should you desire more material or more specimens I will be glad to send it if in my power.

Wishing you the compliments of the season, I remain very sincerely yours

[signature] Macoun

Jan. 7th 5

My dear Madam.

This morning I received Nos. 60 – 66 inclusive of ~~Contributions~~ from the Herbarium of Columbia College which I credit either to Dr. Britton or yourself and for which I desire to return thanks. They are all of great interest to me as they clear up difficulties and enlarge our ideas regarding species that hitherto have been obscure.

I am not personally acquainted with Mr. Small but am quite sure he is an acute observer of more than common ability tho-

should write but I am sorry to say that this is not so.

I am doing nothing in Mosses this winter as my time is much taken up with other branches of Natural History.

I hope to collect next season for a month in Ontario on a new line of railway and may make some new discoveries for your eastern Mosses.

With kind regard to yourself and Dr. Britton I remain very truly yours

John Macoun

5

Jan. 7th '5-

My dear Madam.

This morning I received Nos. 60 – 66 inclusive of Contributions from the Herbarium of Columbia College which I credit either to Dr. Britton or yourself and for which I desire to return thanks. They are all of great interest to me as they clear up difficulties and enlarge our ideas regarding genera that hitherto have been obscure.

I am not personally acquainted with Mr. [illegible] but am quite sure he is an acute observer of more than common ability for-

should write but I am sorry to say that this is not so.

I am doing nothing in mosses this winter as my time is much taken up with other kinds of Botanical history.

I hope to collect next summer for a month in Ontario on a new line of railway and may make some new discoveries for your eastern mosses.

With kind regards to yourself and Dr. Britton I remain very truly yours

John Macoun

Jan. 7th 5

My dear Sir

Your letter of Dec. 30th has been received. In answer I may state that all our Astragali are now in the hands of Prof. Sheldon in Minneapolis, who is making a complete study of all the species of the genus.

Regarding the specimens collected in 1885 which you saw in Mr. Deane's collection and in the Gray Herbarium marked alpinus, I may say that Watson named them afterwards A. Robbinsii var. occidentalis but my own impression is that they are really a new species. We have a very large series of Astragali but if you send your list to my Bro MJM

an exchange."

Very truly yours
John Macoun

Mr. W. W. Eggleston
12 Woodstock Av.
Rutland
Vt.

Jan. 5

My dear Sir

Your letter of Dec. 30th has been received. In answer I may state that our Crataegi are now in the hands of [illegible] [illegible], who is making a complete study of all the species of the genus.

Regarding the specimens collected in 1885 which you saw in Mr. [illegible] collection and in the Gray Herbarium [illegible], I may say that [illegible] named them C. [illegible] var. [illegible] but my own impression is that they are really a new species. We have a very large series of Crataegi but if you send your list to my [illegible]

Very truly yours
[illegible]

Mr. W. W. Eggleston
12 Woodstock St.
Rutland
Vt.

[illegible] exchange.

Dear Mr. Robinson. Jan. 8th 5

The large parcel of Newfoundland plants came today in excellent order and I need scarcely put in words my sincere thanks for the same. They are a valuable addition to our herbarium, and show to me more than ever the value of Newfoundland if in proper hands. There are no species in the collection indicating a boreal climate or I had better say a frosty one. Coolness and moisture are the characteristics. Excuse me for these comments but I have been so long studying field botany that I know the climate by the plants at once.

You mention in your note that you would be glad if I would look over the plants. I have done so and wish to call your attention to one or two points. Luzula arcuata, Meyer. seems to me more like a form of L. campestris. Our old L. arcuata is now L. confusa Lindeb. but yours does not seem to be that. Please look up my L. arcuata from the Shickshocks and see what you think of it. Habenaria orbiculata [illegible] from the Pacific and me. I have it from Nova Scotia to the Pacific. and none of them. I don't pretend to say it is a different species but you may be able to add a character or my specimen has not orbicular leaves nor hardly all the others.

Bartonia [illegible], Juncus Lesueurii [illegible] and [illegible] Baileyi appear to be [illegible] to [illegible]

Jan. 8th 3

Dear Mr. Robinson.

The large parcel of Newfoundland plants came today in excellent order and I must warmly [illegible] in words my sincere thanks for the same. They are a valuable addition to our herbarium and show to me more than ever the value of Newfoundland of its proper lands. There are rare species in the collection indicating a lower climate as I had better say a [illegible] Arctic. Labrador and maritime are the characteristics. Because we [illegible] but I have been so long [illegible] field botany that I know the element [illegible] the plants at once.

Your mention in your note that you would be glad if I would look over the plants. I have done so and wish to call your attention to one or two points. Ligusticum [illegible] [illegible] to me more like a form of L. [illegible]. Our L. [illegible] is more of [illegible] [illegible] but yours does not seem to be that. There [illegible] up of L. [illegible] from the [illegible] and so [illegible] think of it. [illegible] [illegible] for me. I [illegible] it from the [illegible] to the [illegible]. [illegible] of [illegible]. I [illegible] to [illegible] of [illegible] [illegible] but you may [illegible] [illegible] as any specimens [illegible] not [illegible] [illegible] [illegible] of the [illegible].

[illegible]

and [illegible]

flora as indigenous species and Linaria striata, Mentha arvensis, Triodia decumbens, and Nardus stricta as new introduced species.

I am becoming satisfied that Myriophyllum alterniflorum is not so rare as is supposed. I found it in great abundance in a small stream close to this city last autumn and now you have it. When I found Littorella lacustris in 1863 Dr. Gray would not admit it into the flora and now you have it from Newfoundland.

My son wrote you about my Prairie plants and now I may say that you will get a complete set which will be numbered like yours and if permitted to collect the next three years will include the whole prairie region north of Lat. 49°.

Thanking you again for your fine donation, I remain sincerely yours

John Macoun

flee as indigenous species and Cirsium arvense,
Nepeta cataria, Lactuca ... and ...
Ulex as never introduced species.
I am becoming satisfied that Hypochoeris
... is not so rare as is supposed. I found
it in great abundance in a small stream close
to this city last autumn and now you have it.
When I found ... in 1858 ...
they would not admit it with the flora and
now you have it from ...
... as write you about my plants.
plants and now I may say that you are ...
a complete set which will be numbered like
yours and if permitted to collect the north
you will include the whole plants again north
of Lat. 49°. Thanking you again for your
kind donation, I remain sincerely yours
John Macoun

8

through with the 1894 Polypetalae I shall send complete set to your herbarium. You will find specimens as good as any you have ever recei[ved] from us.

Yours Truly
Jas. M. Macoun

Dr. B. L. Robinson
Gray Herbarium.

Dear Sir

I was just about to write to y[ou] a few minutes ago to acknowledge the ~~th~~ receipt of the Newfoundland plants when my father told me he had done so. When ~~ye~~ will your list [be] published? I want to include in my notes "Contributions ~~to~~ Canadian Botany" whatever of new species or noteworthy additional stations seem worthy of rec[ord]. I do not want to anticipate anything you may do, but do not want to include everything. My Contributions are intended to include as soon as I can Canadians of whomever done.

through with the 1899 Polypetalae I shall send complete set to your herbarium. You will find specimens as good as any you have ever seen from us.

Yours Truly
Jas. M. Macoun

Dr. B. L. Robinson
Gray Herbarium.

Dear Sir

I was just about to write to you a few minutes ago to acknowledge the receipt of the Newfoundland plants when my father told me he had done so. When will your list be published? I want to include in my notes "Contributions to Canadian Botany" whatever of new species or notable additional stations seem worthy of note but do not want to anticipate anything you may do. My Contributions are intended to include everything Canadian by whomever done. As soon as I can

lot of prairie plants to send you.

Yours Truly
Jas. M. Macoun

Dr. N. L. Britton
Columbia College
~~Ont~~ New York.

Jan 8th 5

Dear Dr. Britton

Will you kindly tell me what you
make of the enclosed Naias? It seems to me
neither flexilis nor marina. You did not tell me
to whom I should send Naiadaceae for determination, Is
any one in particular going on with Dr. Morong's work?
Did the Behring Sea plants I sent you a month
or so ago reach you safely? I have not heard from
you since.

My father and I have both been very busy
at many things but I am making fair progress and
with the 94 collections and will soon have a fine

list of [illegible] plants to send you.
Yours Truly
[illegible]

Dr. N. L. Britton
Columbia College.
New York.

Jan 8th 6

Dear Dr. Britton

Will you kindly tell me what you make of the enclosed Nasica? It seems to me neither Ephedra nor Marsica. You did not tell me to whom I should send [illegible] for determination. Is any one in particular going on with Dr. Vasey's work? Did the following ten plants I sent you a month or so ago reach you safely? I have not heard from you since.

My father and I have both been very busy for many things but I am making for [illegible] with the 94 collections and wish some have a [illegible]

25

10

My dear Sir Jan. 9th 5

Your note with the mosses came this morning and I return them at once. The Lepto-trichum is L. vaginans. No 1 is Sphagnum subsecundum. No 2 S. imbricatum v. affine. I send a specimen of S. tenellum v. rubrum.

I have heard nothing from Europe yet so we must possess our souls in patience.

Very truly yours
John Macoun

P. S. I see a Bartonia Moseri spoken of from Newfoundland. Are you the father of the name. J. M.

Mr. John Moser
Canaan Forks
N. B.

Jan. 9th 5

My dear Sir

Your note with the cones came this morning and I return them at once. The Lopho-triccus is L. [illegible]. No 1 is [illegible] [illegible]. No 2 is [illegible] [illegible]. I send a specimen of [illegible] [illegible].

I have heard nothing from Smyth yet so we must leave one note in future.

Very truly yours

John Maurer

P.S. I see a [illegible] [illegible] spelled of your [illegible]. Are you the father of the name. J. M.

Mr. John Morris

Germantown Pa

N. B.

Jan 14th

Dear Mr. Fletcher

Your letter came on Saturday and the peas this morning. The peas are much larger than those of Lathyrus maritimus as we generally find them and hence may be another species. They are the same color, however, and very little if any larger than I have seen them on Anticosti. There is no other species of wild legume that these could be and hence it is more than probable that the pea is just what you think.

When I had written as above I began to investigate it and came to the conclusion it is not a wild thing at all. I have examined L. maritimus of Europe and this country and it is not either. It comes near Pisum if not that genus and also near L. Aphaca. The hilum is almost that of Aphaca but quite different from that of Lathyrus maritima. Possibly it may be L. Aphaca or related to it but it is not a native ~~legume~~ of America.

Very truly yours
John Macoun

1 thus round light colored seed L. maritimus
2 thus oblong black seed L. aphaca
3 " flat seed L. maritimus Europe.

J.M.

June 14th '

Dear Mr. [illegible]

Your letter came on Saturday and the peas this morning. The peas are much larger than those of Lathyrus maritimus as we generally find them and hence may be another species. They are the same color, however, and any little or any larger than I have seen those [illegible]. There is no other species of wild legume that they could be and hence it is more than probable that the pea is just what you think. When I had written so above I began to [illegible]-dering it and came to the conclusion it is not a wild thing at all. I have examined L. maritimus of Europe and this country and it is not either. It comes near Pisum but not that form and also near L. Sphaericus. The [illegible] is almost that of Sphaericus but quite different from that of Lathyrus. [illegible] It may be L. sphaericus or related to it but it is not a native legume of America.

Very truly yours
John Macoun

1 These round light colored peas [illegible] L. maritimus
2 The oblong dark seeds L. sphaericus
3 [illegible] L. maritimus [illegible]

J.M.

12

Jan. 14th 5

Dear Mr. Allen

This morning I received your valuable series of Characeae from Japan and other places which are very interesting and valuable and for all which I thank you very much. As an appreciation of your work I now send you the gatherings of the last two years which may be interesting or not as the case may be. I send all the material on hand but have retained a specimen each of each number so you can use or throw away all I send.

The coming summer I hope to spend on the prairie where I was in 1878–80 and should you desire any extra specimens of any of the forms let me know and I will get them. I will take paper with me and mount or float the specimens on the ground so I hope to get good specimens. You will remember what I obtained there better than I do myself so ask and you will receive. I was unable to do any collecting last summer as my attention was directed to other lines.

Very sincerely yours
John Macoun

T. F. Allen M.D.
10 E. 36th St.
New York
U.S.A.

Jan 19th

Dear Mr. Allen

This morning I received your valuable box of Chironomidae from Jefferson and photographs which are very interesting and valuable to me and for which I thank you very much. As an appreciation of your work I now send you the gatherings of the last three years which may be interesting or not as the case may be. I send all the material on hand but have retained a specimen of each [illegible] upon one or more [illegible] away as I send.

The coming summer I hope to spend in the place where I was in 1879–80 and should you desire any extra specimens of any of the forms let me know and I will get them. I am late for the mail now and must [illegible] the specimens as [illegible] as I hope to get good specimens. [illegible] what I [illegible] them to the [illegible] in regard to [illegible] and your own names. [illegible]

Very sincerely yours
[illegible]

T. F. Allen M.D.
10 E. 36th
New York
N.Y.

My dear Mr [illegible] June 19th

Your kind letter the pamph of music and the printed matter came safely back with you for all which allow me to thank you most sincerely. I feel under very great obligation to you for your unexpected kindness and would like to repay you in a way that might be agreeable to you.

I have an immense stock of duplicates of many of the species examined by Kirkby which I could send you in quantity (unpicked) of from 1–40 specimens or more which you might be able to use in your Exsiccatae, if you desired me to do so. On receipt of this send me a list of numbers taken from my catalogue of those you desire and I will at once respond by sending all I have in duplicate. Remember I have many rare things as well as common ones. In return I would like to have the earlier numbers of your Exsiccatae if possible. You have promised me your later numbers. I may be able to give you material that will increase your numbers.

Remember I am not a stickler for Dr. Kirkby. I have been long aware that he made many species that were very poorly characterized but I was not responsible (as I had no time to work up my material I [illegible] him to do the work for me. I actually [illegible] gave it to him to do [illegible] but am not bound [illegible] am thankful to him for this [illegible] other than gratitude. He done [illegible] to him by any [illegible] his weakness by ignoring other men's work and be sorry for it. sooner or later will see his mistake

2

I shall do every thing I can for you and Mr. Renauld in the way of giving you specimens so that in no particular may you be wanting in any work you may do on Canadian mosses.

Regarding the British Columbia Fontinalis I may say I intended you to keep them so please put them away. I never expect specimens back I ask to have named. When your letter came last spring I was either on my way to the west or about to go and I am not sure at this date whether I thanked you or not. If I did not I should and for the nice lot of European Mosses you sent please accept the thanks now I should have sent them. Wishing you every happiness during the coming year I remain, dear Sir very sincerely yours. John Macoun

Mr. J. Cardot
Stenay
France

I value the many things I have from you and
Mr. Bernard in the way of giving your opini-
ons so that in [illegible] instructions may give the
[illegible] in any results you may [illegible]
market. Regarding the [illegible] Portrait
I may say I understood you to high [illegible]
just [illegible], I [illegible] expect [illegible] but
I ask to have [illegible]. When your letter came
last spring I was [illegible] may [illegible]
[illegible] about [illegible] and I was not [illegible] date
whether I thanked you or not. If I did not I should
[illegible] for the nice lot of [illegible] your [illegible]
[illegible] the thanks [illegible] I should have done
then. Wishing you every happiness during
the coming year [illegible] I remain, dear [illegible]
Sincerely yours. [illegible]

[illegible]
[illegible]

14

Jan. 15th 5

M. P. McDonald

Dear Sir.

Your letter to N. A. Davin M. P. reached me through our Director who sent to your address yesterday the two parts of my catalogue of Canadian Plants. You will see it is not a "text book" but merely a catalogue giving the range of the several species.

The best book published on the Flora of the interior plains is Coulter's Manual of the Rocky Mountain Flora which describes over two thirds of the Medicine Hat species. Gray's Botany of the Northern States will give you descriptions of most of the remainder.

I spent a few days at Medicine Hat last summer and found the best collecting grounds in the Coulees and on Police Point.

The Public Teacher at Medicine Hat has done some collecting around there and could give you a few hints. If you should collect any specimens you cannot make out I will name them for you with pleasure.

Very sincerely yours

John Macoun

Jan. 15th 5

Mr. O. McDonald

Dear Sir.

Your letter to R. H. Cowie M. P. reached me through our Printer who sent to your address yesterday the two parts of my catalogue of Canadian Plants. You will see it is not a "text book" but merely a catalogue giving the range of the several species.

The best book published on the Flora of the interior plains is Coulter's Manual of the Rocky Mountain Flora which takes in over two-thirds of the Medicine Hat species. Gray's Botany of the Northern States will give good descriptions of most of the remainder.

I spent a few days at Medicine Hat last summer and found the best collecting grounds in the Coulees and on Police Point.

The Public Teacher at Medicine Hat has done some collecting around there and could give you a few hints. If you should collect any specimens you cannot make out I will name them for you with pleasure.

Very sincerely yours

John Macoun

1-14

463

Jan. 15th

My dear Sir

Your letter came this morning in answer I may state that Coprinus comatus is often found in quantity here about May 24th but always in late August and September. The Parasol mushrooms are only seen in August and September.

I will likely be away from here in the early part of May and should you desire me to look up some person for you to collect the mushrooms when they come write me about May 10th and I will see what can be done. August however is the better time as May is uncertain

[illegible] I be [illegible]

[illegible] your letter.

Road scrapings are the chief collecting grounds.

If I hear of any book on mushroom culture I will let you know.

Very sincerely yours

John Mason

Mr. R. A. Hope
Box 193
Thorold
Ont.

Jan. 15th

My dear Sir

Your letter came this morning in answer I may state that Lysiana(?) carnation(?) is often found in quantity here about May 24th but already in late August and September. The Dorset(?) mushrooms are only seen in August and September.

I will likely be away from here in the early part of May and should you desire me to look up some figures(?) for you to collect the mushrooms when they come write me about May 10th and I will see what can be done. August however is the better time as May is uncertain

[illegible]

[illegible] your letter. Dead [illegible] are the chief collecting ground.

If I hear of any books on mushroom culture I will let you know.

Very sincerely yours

Alfred Mason(?)

Mr. B. A. Hope(?)
Box 193
Sharon(?)
Ont.

23

Jan. 17th 5

My dear Sir.

The specimens and your letter came in due time and in good order. Please accept my thanks for your promptitude and for the fine specimens. You forgot however to state where the plants were found so please send place and date for the specimens as soon as you can make it convenient as we want to publish some notes on these and other specimens soon.

I will see to the Photos. I would send one now. Topley has the negatives and I will get him to strike off one of the Magnolia and finish it up for you.

With kind regards to Mrs. Cameron and yourself I remain sincerely yours

John Macoun

Mr. Roderick Cameron
Niagara Falls South
Ont.

P. S. Be sure and send the tickets soon.

J. M.

16

Jan. 17th '85

My dear Sir,

The specimens and your letter came in due time and in good order. Please accept my thanks for your promptitude and for the fine specimens. You forgot however to state where the plants were found as Palmer and [illegible] need date for the specimens as soon as you can make it convenient as we want to publish some notes on these and other specimens soon.

I wish you to the Photos I would send one more. Kirby has the negatives and I will get him to strike off one of the Magnolia and finish it up for you.

With kind regards to Mrs. Cameron and family I remain sincerely yours

John Macoun

Mr. Roderick Cameron
Niagara Falls South
Ont.

P.S. Be sure and send the details soon.
J.M.

32

Jan. 21st 5

My dear Sir

Your note of the 16th inst. has just reached me. In answer to your queries I may say: ~~that~~ Mr. Raine obtained a number of Double Crested Cormorant, and Western Grebe from last autumn and doubtless the eggs you received are part of the lot he obtained from me.

The Cormorants eggs were taken on June 18th and were in sets from 1–4. The sets were numbered from 144 to 158. The numbers were in red pencil as the eggs were taken from the nest, but after blowing I put my general number on as above.

The Western Grebe eggs were just gathered from the nests that showed fresh eggs so that they do not represent separate sets but just selections from a great number of nests.

The cormorants eggs are so much like those of the Western Grebe that they were all marked in pencil when taken from the nest. June 18th is the correct date.

Very truly yours
John Macoun

Mr. H. C. Higgins
Cincinnatus
New York

P.S. I may have given Mr. Raine June 16th but my note book says June 18th. J.M.

Jan. 21st [illegible]

My dear Sir

Your note of the 16th inst. has just reached me. In answer to your query I may say that Mr. [illegible] obtained a number of [illegible] Cormorant and Western Grebe from last autumn and distributed the eggs you received as part of the lot he obtained from me.

The Cormorant eggs were taken on June 18th and were in sets from 1–4. The sets were numbered from 144 to 155. The numbering was in each series as the eggs were taken from the nest; but after blowing I put my private numbers on as above.

The Western Grebe eggs were just gathered from the nests that showed fresh eggs so that they do not represent separate sets but simply selections from a great number of nests.

The Cormorants eggs are so much like those of the Western Grebe that they were all marked in pencil before taken from the nest. June 18th is the correct date.

Very truly yours
[illegible]

Mr. H. C. Higgins
Cincinnati
[illegible]

P.S. I may have given Mr. [illegible] June 16th but my note book says June 18th. E.M.

My dear Sir, Jan. 25th 5

Your letter and the plants came this morning and I answer at once. I thought the Cypripediums came from the east. I am glad you like the Catalogue. I put a good deal of work on it. Below you will find the names of the specimens.

Symphoricarpus occidentalis (Stamens exserted)

Erysimum parviflorum = 3

18

Agropyrum glaucum.

Avena striata

Beckmannia erucaeformis var. uniflora

Carex aurea

Lathyrus venosus

Gaura coccinea

Astragalus flexuosus

Comandra umbellata

Glyceria nervata

Carex longirostris

Equisetum sylvaticum? Too much broken.

Astragalus Missouriensis (Drawing very good) O. splendens has verticillate leaves.

Yes Ranunculus cymbalaria

Scirpus lacustris.

Flowers of E. asperum quite large, bright yellow and pods over 3 inches long and very divergent.

Viola Nuttallii has flowers like V. cucullata but the leaves are Hairy above. This is a plant, erect. We have no duplicates. The Phlox is P. Hoodii. I send a C. mucha
J.M.

Very truly yours
John Macoun

Mr. C. W. Bryden
Battleford
N. W. T.

Jan. 25th '5

My dear Sir,

Your letter and the plants came this morning and I answer at once. I thought the Cryptogamia came from the east. I am glad you like the Catalogue. I put a good deal of work on it. Below you will find the names of the specimens.

[illegible] ([illegible])

[illegible] = 3

[illegible]

[illegible]

[illegible] var. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] ([illegible])

[illegible]

[illegible]

[illegible]

[illegible] quite large, [illegible] and [illegible] over 3 inches long and very distinct.

Very truly yours

Edwin [illegible]

[illegible]

[illegible]

[illegible]

34

Jan. 26th 8

Hjalmar Kiaerskou Esq.

Dear Sir.

The collection of Greenland algae reached me in good condition a few days since and I thank you very much for them. They are very interesting to me.

I have made large collections of Marine algae on our Pacific coast and in the course of a few weeks will send you a named set of them. Many of them are very beautiful.

Please say to M. Warming that a set parcel of our Flowering plants will go at the same time.

some years and have a very large collection of fine bird skins which are chiefly small birds and or rather I have a good series of all but the sea-birds.

In working out our birds I have included Greenland where a number of stragglers from Europe occur and which are very rarely found on our northern coast. I would like skins of these no matter where they were procured and give in exchange skins from our prairies and mountains. If an exchange can be arranged I will send a list of what I want to the person wishing it as soon as I hear from him.

Very truly yours

Jan. 26th [illegible]

To Hermann [illegible] Esq.

Dear Sir.

The collection of Greenland Algae reached me in good condition a few days since and I thank you very much for them. They are very interesting to me. I have made large collections of Marine Algae on our Pacific coast and in the course of a few weeks will send you a named set of them. Many of them are very beautiful.

Please say to Mr. [illegible] that a ~~[illegible]~~ package of our [illegible] plants will go at the same time.

[illegible] some years and have a very large collection of fine [illegible] which are chiefly marine birds and as others I have a good series of all the sea-birds.

In working out our birds I have included Greenland also a number of stragglers from Europe which are very rarely found on our Atlantic coast. I would like skins of these no matter where they were found and give in exchange skins from our Pacific and Mountain [illegible]. If an exchange can be arranged I will send a list of what I want & the [illegible] receiving it as soon as I hear from him.

Very truly yours

Jan. 26th 5

Dear Dr. Kindberg

Your card of Jan. 1st reached me in due time and shortly after I sent on another lot of mosses. By the way you did not mention the receipt of the first 24 mosses which constituted my collections of last year.

By today's mail I send the missing 24 copies of Part II of your check list. They were mislaid and I just found them today.

I thank you very much for your kind wishes for my good health and prosperity and certainly reciprocate them and desire the same blessings for yourself. So far this winter my health has

excellent [illegible]

looking forward [illegible]

summer's collecting.

I would like the names of the first 24 specimens before I leave as some of them must be rare or interesting.

Very truly yours
John Macoun

Dr. C. N. Kindberg
Linkoeping
Sweden.

Jan. 26th 5

Dear Dr. [illegible]

Your card of Jan. 1st reached me in due time and shortly after I sent an another lot of prisms. By the way you did not mention the receipt of the first 25 prisms which [illegible] my collections of last year.

By today's mail I send the remaining 24 copies of Part II of your [illegible] list. They were mislaid and I just found them today.

I thank you very much for your kind wishes for my good health and reciprocate them cordially and wish the same blessings for yourself. So far this winter my health has [illegible] — [illegible]

[illegible] looking forward tomorrow's celebration.

I would like the names of the first 25 specimens before I leave or some of them must be new or interesting.

Very truly yours
[illegible]

Dr. [illegible]
[illegible]
[illegible]

Jan. 29th 5

Dear Prof. Coleman

Your note and parcel came this morning. The latter in good order. I have looked carefully at the mosses, leaves, fruits &c and am quite sure they are all of recent species. I will not make a formal statement now as I purpose sending the mosses to a lady who is engaged on microscopic examination of recent Musci. I think I can recognize, Bryum, Philonotis and Webera in the mosses and am led to think the spot you struck is just an oozy spot in the interglacial [illegible]. I think I recognize

[illegible] a change however when a more careful examination is made but still I think I am right in a general sense.

Should my views be correct the climate was no colder, than Quebec or even that of Toronto at the present time, when these plants lived.

I will write again in about a week.

Very truly yours
John Macoun

Prof. A. P. Coleman
School of Practical Science
Toronto

2C

Jan. 29th 6 –

Dear Prof. Coleman

Your note and parcel came this morning. The latter in good order. I have looked carefully at the moss, [illegible], quite so and am quite sure they are all of recent species. I could not make a formal statement now as I [illegible] sending the moss to a lady who is engaged on microscopic examination of recent mosses. I think I can recognize Sphagnum, Polytrichum and Hylocomium in the moss and am led to think the [illegible] you attach is just an error [illegible] in the [illegible] [illegible]. I think I [illegible]

[illegible] however when a more careful examination is made but that I think I am right in a general sense.

Should any [illegible] be [illegible] the climate now or other, these [illegible] as soon that I [illegible] at the present time, when these [illegible] lived.

I will write again in about a week.

Very truly yours
[illegible signature]

Prof. A. P. Coleman
School of Practical Science
Toronto

Jan. 29th 5

Dear Mr. Fletcher.

Willie gave me your note last evening and I glanced at the specimen of seaweed. It is a <u>Fucus</u> and very likely <u>Fucus furcatus</u> but is much broken up. There are three or four species of Fucus which cover all rocks between tides around <u>all</u> our coasts and have always been open to cattle and occasionally eaten but I have never seen nor heard of them eating any of the species with avidity. The species which is most plentiful from half tide to low tide and is [illegible]

Jan. 29th 5.

My dear Madam

I send by today's mail a little box of moss that was procured from beds of what are supposed to be inter-glacial deposits and which are of much interest to our geologists. By their general appearance they seem to me to be chiefly Philonotis and Bryum but I hope you can examine them under the microscope so as to determine them accurately. You would oblige me if you could examine as soon as possible.

I am now writing tickets for the mosses of which I have only a few specimens and which I find are chiefly new or very rare. I purpose sending you the fullest set and would like your advice to whom to send the others [illegible] you might give me about five [illegible] the order in which you think they practice ought to receive them. Your set will be complete but no other will be as in some cases I have only one specimen.

Very sincerely yours
John Macoun

Mrs. E. G. Britton
Columbia College
New York.

Jan. 29th 6

My dear Madam

I send by today's mail a little box of mosses that were procured from beds of what are supposed to be water-plant deposits and which are of much interest to our geologists. By their general appearance they seem to me to be chiefly Philonotis and Bryum but I hope you can examine them under the microscope so as to determine them accurately. You would oblige me if you would examine as soon as possible.

I am now working to [illegible] for the names of which I have only a few specimens and which I find are chiefly new to every case. I prefer sending you the smallest lot and would like your advice to whom to send the [illegible] you might give me about five [illegible] the order in which you think they ought to receive them. Your act will be complete but we others will be as [illegible] case I have only one specimen.

Very sincerely yours
Edward Mason

Mrs. E. G. Britton
Columbia College
New York.

List of Birds sent to Banff Museum.

1 Robin (Female)
2 Western Robin (Pair)
3 Varied Thrush
4 Wilson's Thrush
5 Willow Thrush (Pair.)
6 Olive-backed Thrush. (Pair)
7 Western Bluebird
8 Arctic Bluebird
8 Catbird
9 Townsend's Solitaire.
10 Ruby-crowned Kinglet
11 Golden-crowned Kinglet
12 Western Chickadee.
13 Red-bellied Nuthatch (Pair.)
14 Rock Wren
15 Parkman's Wren. (Pair.)
16 Western Winter Wren. (Pair.)
17 Long-billed Marsh Wren
18 Vigor's Wren.
19 American Pipit (Pair.)
20 Lutescent Warbler (2 Pairs)
21 Tennessee Warbler
22 Audubon's Warbler (2 Pairs)
23 Townsend's Warbler
24 Myrtle Warbler
25 Chestnut-sided Warbler.
26 Black-poll Warbler

1

List of Birds sent to Banff Museum.

1 Robin (Albino)
2 Western Robin (Pair)
3 Varied Thrush
4 Wilson's Thrush
5 Hermit Thrush (Pair)
6 Olive-backed Thrush. (Pair)
7 Western Bluebird
8 Arctic Bluebird
8 Catbird
9 Townsend's Solitaire.
10 Ruby-crowned Kinglet
11 Golden-crowned Kinglet
12 Western Chickadee.
13 Red-breasted Nuthatch (Pair)
14 Rock Wren
15 Parkman's Wren (Pair)
16 Western Winter Wren (Pair)
17 Long-billed Marsh Wren
18 [illegible] Wren.
19 American Pipit (Pair)
20 Lutescent Warbler (2 Pair)
21 Tennessee Warbler
22 Audubon's Warbler (2 Pair)

2

27 Grinnell's Water Thrush. (Pair)
28 Macgillivray's Warbler (Pair.)
29 Western Yellow Throat (2 specimens)
30 Wilson's Warbler
31 Pileolated Warbler
32 American Redstart (Pair)
33 Red-eyed Vireo.
34 Warbling Vireo.
35 Cassin's Vireo. (3 specimens)
36 Great Northern Shrike (Pair.)
37 White-rumped Shrike
38 Cedar Bird (Pair)
39 Bohemian Waxwing.
40 Purple Martin
41 Cliff Swallow (Pair)
42 Barn Swallow (Pair.)
43 White-bellied Swallow (3 specimens)
44 Violet-green Swallow (Pair.)
45 Bank Swallow (Pair.)
Rough-winged Swallow (Pair.)
Louisiana Tanager (3 specimens)
,8 Evening Grosbeak.
49 Purple Finch (Pair.)
50 Cassin's Purple Finch (Pair.) +1
51 Redpoll
52 Snowflake (Pair.)
53 Lapland Longspur (Pair.)
54 Mccown's Longspur
55 Chestnut Collared Bunting

27 Grinnell's Water Thrush. (Pair)
28 Macgillivray's Warbler (Pair)
29 Western Yellow Throat (2 specimens)
30 Wilson's Warbler
31 Pileolated Warbler
32 American Redstart (Pair)
33 Red-eyed Vireo.
34 Warbling Vireo.
35 Cassin's Vireo. (3 specimens)
36 Great Northern Shrike (Pair)
37 White-rumped Shrike
38 Cedar Bird (Pair)
39 Bohemian Waxwing
40 Purple Martin
41 Cliff Swallow (Pair)
42 Barn Swallow (Pair)
43 White-bellied Swallow (3 specimens)
44 Violet-green Swallow (Pair)
45 Bank Swallow (Pair)
Rough-winged Swallow (Pair)
Louisiana Tanager (3 specimens)
48 Evening Grosbeak
49 Purple Finch (Pair)
50 Cassin's Purple Finch (Pair) + 1
51 Redpoll
52 Snowflake (Pair)
53 Lapland Longspur (Pair)
54 McCown's Longspur
55 Chestnut-collared Longspur

56 Pine Siskin
57 Savanna Sparrow
58 Vesper Sparrow (Pair)
59 White-throated Sparrow
60 Golden-crowned Sparrow (2 specimens)
61 White-crowned Sparrow
62 Clay-colored Sparrow
63 Chipping Sparrow
64 Western Chipping Sparrow (Pair.)
65 Junco
66 Oregon Junco (2 Pair)
67 Rusty Song Sparrow (3 specimens)
68 Swamp Sparrow
69 Tree Sparrow
70 Western Tree Sparrow
71 Oregon Towhee
72 Black-headed Grosbeak (Pair.)
73 Cow Bird
74 Yellow-headed Blackbird (Pair)
74 Western Meadow Lark (2 Pair)
75 Rusty Blackbird
76 Brewer's Blackbird
77 Baltimore Oriole
78 American Magpie
79 Steller's Jay
80 Long-crested Jay (3 specimens)
81 Canada Jay (Pair)
82 Clarke's Crow Pair
83 North-west Crow

56 Pine Siskin
57 Lawrence Goldfinch (Pair)
58 English Sparrow
59 White-throated Sparrow
60 Golden-crowned Sparrow (2 specimens)
61 White-crowned Sparrow
62 Clay-colored Sparrow
63 Chipping Sparrow
64 Western Chipping Sparrow (Pair)
65 Junco
66 Oregon Junco (2 Pairs)
67 Rusty Song Sparrow (3 specimens)
68 Lincoln's Sparrow
69 Fox Sparrow
70 Western Tree Sparrow
71 Oregon Towhee
72 Black-headed Grosbeak (Pair)
73 Cow Bird
74 Yellow-headed Blackbird (Pair)
74 Western Meadow Lark (2 Pair)
75 Rusty Blackbird
76 Brewer's Blackbird
77 Baltimore Oriole
78 American Magpie
79 Steller's Jay

84 Prairie Shore Lark (Pair)
85 Kingbird (Pair)
86 Arkansas Flycatcher.
87 Western Wood Pewee (Pair)
88 Olive-sided Flycatcher (Pair)
89 Hammond's Flycatcher (Pair)
90 Little Flycatcher (Pair)
91 Rufous-backed Humming Bird
92 Calliope Humming Bird.
93 Western Night Hawk
Night Hawk.
95 Arctic Three-toed Woodpecker
96 Alpine Three-toed Woodpecker (Pair)
97 Red-naped Sapsucker
98 Eastern Flicker
99 Red-shafted Flicker (Pair)
100 Swainson's Buzzard
101 Broad-winged Hawk.
102 Cooper's Hawk.
103 Rough-legged Hawk.
104 Ferruginous Buzzard
105 Goshawk
106 Fish Hawk (Pair)
107 Sparrow-Hawk
108 Long-eared Owl (Pair)
109 Short-eared Owl.
110 Hawk Owl
111 Sabine's Ruffed Grouse

112 Columbian Sharp-tailed Grouse (Pair)
113 White-tailed Ptarmigan
114 Richardson's Grouse (Pair)
115 Sooty Grouse
116 Franklin's Grouse (Pair)
117 Wild Turkey
118 American Avocet (Pair)
119 Stilt Sandpiper
120 Wilson's Snipe (Pair)
121 Baird's Sandpiper
122 Pectoral Sandpiper (Pair)
123 Red-breasted Snipe (Pair)
124 Spotted Sandpiper (Pair)
125 Sanderling
126 Marbled Godwit Female
127 Hudsonian Godwit
128 Lesser Yellow-legs
129 Western Willet Male.
130 Prairie Plover
131 Long-billed Curlew
131 Black-bellied Plover (Pair)
132 Killdeer Plover
133 Turnstone (Pair)
134 Carolina Rail
135 Northern Phalarope
136 Wilson's Phalarope (Pair)
137 Blue Heron
138 American Coot (Pair)
139 Mallard (Pair)

112 Columbian Sharp-tailed Grouse (Pair)
113 White-tailed Ptarmigan
114 Richardson's Grouse (Pair)
115 Dusky Grouse
116 Franklin's Grouse (Pair)
117 [illegible] Partridge
118 American Woodcock (Pair)
119 Stilt Sandpiper
120 Wilson's Snipe (Pair)
121 Baird's Sandpiper
122 Pectoral Sandpiper (Pair)
123 Red-breasted Snipe (Pair)
124 Spotted Sandpiper (Pair)
125 Sanderling
126 Marbled Godwit Female
127 Hudsonian Curlew
128 Lesser Yellow-legs
129 Western Willet Male
130 Prairie Plover
131 Long-billed Dowitcher
132 Black-bellied Plover (Pair)
133 Killdeer Plover
134 Turnstone (Pair)
13[illegible] Mountain Plover
135 Northern Phalarope
[illegible] Phalarope (Pair)

140 Black Duck Male.
141 Green-winged Teal (Pair.)
142 Blue-winged Teal
143 Gadwall
144 Baldpate, Widgeon Male.
145 Shoveller Male.
146 Pintail (Pair)
147 Canvas Back Male.
148 American Golden Eye Male.
149 Lesser Scaup Duck.
150 Hooded Merganser
151 Red-breasted Merganser Female
152 Goosander (Pair)
153 Canada Goose Male.
154 Trumpeter Swan
155 Double-crested Cormorant.
156 Glaucous Gull
157 Franklin's Gull
158 Common Tern
159 Black Tern. (3 specimens)
160 Red-necked Grebe Male.
161 Horned Grebe Male
162 Loon Female.
[illegible] Sanderson
[illegible] St.
163 Puffin [illegible] (Pair.)
164 Mourning Dove (Pair)
165 King[illegible] (Pair)
166 Black-[illegible] Crane

6.

140 Black Duck Male.
141 Green-winged Teal (Pair)
142 Blue-winged Teal
143 Gadwall
144 Baldpate, Widgeon Male.
145 Shoveller Male.
146 Pintail (Pair)
147 [illegible] Duck Male.
148 American Golden Eye Male.
149 Lesser Scaup Duck.
150 Hooded Merganser
151 Red-breasted Merganser Female
152 [illegible] (Pair)
153 Canada Goose Male.
154 [illegible]
155 Double-crested Cormorant.
156 [illegible] Gull
157 Bonaparte's Gull
158 Common Tern
159 Black Tern. (3 specimens)
160 Red-necked Grebe Male.
161 Horned Grebe Male
162 Loon Female.
[illegible]

7

Mammals sent to Banff.

1 Jack Rabbit
2 Prairie Hare
3 Sage Chipmunk Pair
4 Badger
5 Raccoon
6 Hoary Marmot
7 Snapping Turtle.

List of Boxes sent to Banff.

1 Containing Birds & Mammals 3 of each.
2 " " 23 specimens
3 " " 51 "
4 " " 32 "
5 " " 1 "
6 " " 56 "
7 " " 22 "
8 " " 12 "
9 " " 41 "
10 " " 18 = 259
11 " Mammals 5 specimens.
12 " Woods 60 specimens (also a small bag of fossils)
13 " Botanical specimens 812
14 " Case for Botanical specimens
15 " Minerals
16 " do.

John Macoun
Naturalist
Jan. 30th 1886.

7

Mammals sent to Banff

1 Jack Rabbit
2 Prairie Hare
3 Large Chipmunk Pair
4 Badger
5 Gophers
6 Grey Squirrel
7 Jumping Lemmings

List of Cases sent to Banff:

1 Containing Birds + Mammals 3 of each.
2 " " 23 specimens
3 " " 51 "
4 " " 32 "
5 " " 1 "
6 " " 56 "
7 " " 22 "
8 " " 12 "
9 " " 61 "
10 " " 18 " = 259
11 " Mammals 6 specimens.
12 " Birds 50 specimens (also some birch fungi)
13 " Botanical specimens 312.
14 " Case for Botanical specimens
15 " Minerals
16 " do.

John Macoun
Naturalist
Jan. 20th 1895.

Superintendent Banff Museum Jan. 10th 5

Dear Sir.

At an early date there will be shipped from this museum sixteen (16) boxes containing Mammals, birds, botanical specimens, woods and minerals representing very largely the Natural History of the Rocky Mountain region. While not professing to be a complete representation of the region in question the collection sent is very valuable from every point of view and will deserve the utmost care from you or your representative. Below please note a few recommendations and hints regarding the specimens and their arrangement.

(1) I send a complete list (as far as I am aware) of the birds, which please check off and note any deficiencies or additions and send the corrections to me. Do the same with the mammals.

(2) The birds are numbered in their natural order on my list and should be placed in the same order in the cases in your museum. Place the folder numbers ing that are in the addendum after the names in below.

Place 163 after 84.

164 " 110

165 " 99

166 " 98

Jan. 21st 5

Superintendent Banff Museum

Dear Sir.

We are very glad to be able to be helpful from this museum sixteen (16) boxes containing mammals, birds, botanical speci-mens, woods and minerals representing very largely the natural history of the Rocky Mountain region. While not professing to be a complete representation of the region in question the collection will be very valuable from every point of view and will become the nucleus [illegible] for you in your representation. Below please note a few recommendations and hints re-garding the specimens and their arrangement.

(1) I send a complete list (as far as I am aware) of the birds, which please check off and note any omissions or additions and send the corrections to me. Do the same with the mammals.

(2) The birds are numbered in their natural order on my list and should be placed in the same order in the cases in your Museum. Place the following that are in the addendum after the numbers given below:

No. 163 after 84.
164 " 110
165 " 99
166 " 98

2

(3) All the plants are numbered on the outside of the sheets. Commence to put them in the case by filling the top compartment on the left hand side of the case. Place No 1 on top and so proceed. As there will be plenty of room fill the compartment about two thirds full.

(4) I send my Catalogue of Canadian Plants. In it you will find marked with a cross all the species represented in the collection.

(5) I send a separate list of the woods. Each wood specimen should have a slip on it to correspond with one on the list I send. If my list does not tally with the specimens send a list of deficiencies to me.

Should you desire any further information on any point I will be glad to furnish it at any time. I hope the caretaker will add to the natural history collection as he has opportunity and he may rely on my assistance to help him over any difficulties that may arise from time to time.

Very truly yours

John Macoun

Naturalist.

(3) All the plants are numbered on the outside of the sheets. Commence at first sheet in the case by pitting the top compartment on the left hand side of the case. Place No 1 on top and so forward. As there will be plenty of room fill the compartment about two-thirds full.

(4) I send my Catalogue of Canadian Plants. In it you will find marked with a cross all the species represented in the collection.

(5) I send a separate list of the woods. Each wood specimen should have a slip on it to correspond with one on the list I send. If my list does not tally with the specimens send a list of deficiencies to me.

Should you desire any further information on any point I will be glad to furnish it at any time. I hope the Custodian will add to the Natural History Collection as he has opportunity and he may rely on my assistance to help him over any difficulties that may arise from time to time.

Very truly yours
John Macoun
Naturalist.

18. Feb. 5

My Dear Dr. Aitken

Your letter enclosing cheque and botanical notes were received a few days ago. Many thanks for both favors. Press of other work has delayed the distribution of plants of which I sent you [illegible] but after reading your letter I [illegible] send nearly all but [illegible] reading your letter I [illegible] about [illegible] out some Carices for you and send you 85 sheets of recent collecting. The older specimens I had not time to touch. If you will send me a [illegible] of which we are apt to have [illegible] of the species of which [illegible] I can get them out for you at any time [illegible] — the older ones are arranged on our cases [illegible] in alphabetical order. We will greatly value any notes you may make in the determinations [illegible] a correction [illegible] What do you think of that ~~[illegible]~~ of the specimens. Dr. Bailey thought labelled C. [illegible] from Antioch. A a new species but we think not.

Yours truly
J. M. Macoun.

Feb. 1st 5

My dear Sir

Your letter of Jan. 26th came in due season and in answer I may state that an application to the Director of the Meteorological Bureau in Toronto, Ont. will enable you to get all the meteorological information you may want. You are doubtless aware that Lake Winnipeg is under 700 feet and that its waters flow into Hudson Bay. There is no place between the Ottawa River and the Rocky Mountains where the northern water shed is [illegible] feet above the sea. You will keep in mind I speak of the Canadian altitudes. Both Dakota, Minnesota and Montana have more altitude than the country to the north.

Write to Toronto and you will get definite information.

Very truly yours
John Macoun

Mr. P. Brundell
Peoria
Ill.

Feb. 14 [illegible]5

My dear Sir

Your letter of Jan. 26th came in due course and in answer I may state that on application to the Director of the Meteorological Bureau in Toronto, Ont. will enable you to get all the Meteorological information you may want. You are doubtless aware that Lake Winnipeg is under 700 feet and that its waters flow into Hudson Bay. There is no place between the Ottawa River and the Rocky Mountains where the northern water shed is 1500 feet above the sea. You will find in [illegible] of the Canadian altitudes. North Dakota, Minnesota and Montana have more altitude than the country to the north. Write to Toronto and you will get definite information.

Very truly yours
John Macoun

Wm. C. Grandall
Peoria
Ill.

Feb. 1st 5

My dear Mr. Scott.

Your letter came in due time and found everything going on as usual here.

The books for North West plants are Gray's Botany and Coulter's Botany of the Rocky Mountains. The Botany of California will give you most of the B. C. plants

There are a large number of American botanists at work on a complete flora of North America which will be published in 17 vols. of about five parts each. The vols. will not come out consecutively but a part now and again as they are ready. Next summer five parts will be published at a dollar each. I am a subscriber and I advise you to become one.

Address Dr. N. L. Britton
Columbia College, New York.

I was very much shocked by Dr. White's death but could not believe he was our Dr. White until I had your letter. Thanks for the offer of the duplicates but except we want them for our herbarium we will not need them.

Mrs. Macoun and myself are well and she joins me in kind regards to yourself and Mrs Scott.

Last night we had a very successful meeting of the Club in the Normal School.

Very truly yours
John Macoun

Mr. William Scott
Normal School
Toronto

4824

Feb. 1st 5

My dear Mr. Scott.

Your letter came in due time and found everything going on as usual here.

The books for North West plants are Gray's Botany and Coulter's Botany of the Rocky Mountains. The Botany of California will give you most of the B. C. plants.

There are a large number of American botanists at work on a complete flora of North America which will be published in 17 vols. of about five parts each. The vols. will not come out consecutively but a part now and again as they are ready. Next summer five parts will be published at a dollar each. I am a subscriber and I advise you to be one.

Address Dr. N. L. Britton
Columbia College, New York.

I was very much shocked by Dr. White's death but could not believe he was our Dr. White until I saw your letter. Thanks for the offer of the duplicates but except one or two there for our herbarium we do not need them.

Mrs. Macoun and myself are well and all join in kind regards to yourself and Mrs Scott.

Last night we had a very successful meeting of the Club in the Normal School.

Mr. William Scott
Normal School
Toronto

Very truly yours
John Macoun

Feb. 2nd 5

My dear Mr White;

In going over my moss material I came across a number of your sphagnums that have not been reported on. I worked these out yesterday and now send the names.

Nos. 201 & 202 S. cymbifolium
203 S. cymbifolium var. laeve
204-5-6 S. medium
207 S. medium v. glaucescens
208-9 S. recurvum v. parvifolium
210-11 S. Girgensohnii v. hygrophilum
212 S. Girgensohnii 215
213 S. acutifolium v. versicolor
214 S. acutifolium

These are all I have come across without names.

Did you do anything in Lichens last summer? I am about to make a list of them and want all possible material.

My son tells me he has about forty species out for you and will shortly have enough to do

Very sincerely yours
John Macoun

Mr. J. White
Edmonton
Ont.

Feb. 2nd 5–

My dear Mr White:

In going over my mss material I came across a number of your photographs that have not been identified on. I marked these out yesterday and now send the names.

No. 201+202 d. [illegible]

203 d. [illegible]

204-5-6 d. [illegible]

207 d. [illegible]

208-9 d. [illegible]

210-11 d. [illegible]

212 d. [illegible] 215

213 d. [illegible]

214 d. [illegible]

These are all I have come [illegible] names.

Did you do anything in [illegible] last summer? I am about to make a list of these and want as possible material. [illegible] tells me he has about forty specimens out for you and will shortly have enough to [illegible]

Very sincerely yours

John Macoun

Mr. J. White

[illegible]

Ont.

Feb. 2nd 5

My dear Madam.

Your letter of Jan. 18th came in due time and I hoped to see your son during Carnival week but he did not call at the office when I was in and I have not learned that he was here. Regarding the boards I may say I kept them because one of them was broken as they were not suited for transit in the mails. No wide board like these will do for a press as lateral pressure makes it low and split.

My boards are not as thick as yours but consist of three layers, two an under and an upper laid lengthwise and the middle one placed crosswise. These three when glued together are thinner than yours and last for any number of years.

I will hold the boards sometime longer so that your son can have them if he should call.

Your notes on the specimens I spoke of are very interesting and I have read them with both profit and pleasure. You will see yourself why I am so particular about where plants came from before we give publicity to the collecting of them. I think now it would be wiser for you to keep all the specimens and next year get them in good order and make notes at the same time. Then my son will publish in the Record of Science giving you due credit and at the same time sending the statements abroad with our authority. Should I ever reach Quebec I will be sure to make you a visit.

Very truly yours
John Macoun

Mrs. Annie M. Brodie
Quebec.

Feb. 2nd 5

My dear Madam.

Your letter of Jan. 18th came in due time and I hasten to answer. Your [illegible] desiring [illegible] work but he did not call at the office when I was in and I have not learned that he was here. Notwithstanding the books I may say I left them because one of them were helpful as they were not wanted for himself in the work. He would want like them with the few a piece as [illegible] pressure makes it large and eight.

My hands are not as steady as formerly but consist of these loops, two are made and one of high [illegible] and the smallest one placed between these three others placed together are three-one three yards and half for any [illegible] of yours.

I will hold the board's meeting longer so that you can see here them if he should call.

Your notes on the [illegible] versions I spoke of are very interesting and I have read them with both profit and pleasure. You will see of course why I am so particular about what plants come from before we give publicity to the collection of them. I think now it would be wise for you to look at the specimens and must you get them in good order and make notes at the same time. These may then be published in the Journal of Science giving you due credit and at the same time avoiding the statements already made with [illegible] authority. Should I ever reach London I will come to make you a visit.

Mrs. Annie M. [illegible] Very truly yours
London. [illegible]

Feb. 4th 5

Dear Mr. Small

I have just come across a letter of yours dated June 22nd/94 with an endorsation in the corner by my son — to be answered — As I was in the North West at this time I believe I never noticed this communication. It may be better late than never so I answer now. I have many duplicates of both rare and common species and will gladly make an exchange from these. So as to start right I will take all the species you have and then give you as many in return of that will suit.

I think I have your new Polygonum from [illegible] is the one I have been so long in doubt about. I had named it *P. ramosissimum* and [illegible] made it a form of P. aviculare but I am not satisfied with that decision. I will get mature specimens the coming summer.

Very truly yours
James Macoun

Prof. John K. Small
Columbia College
New York.

The specimen of Polygonum is in Dr. Britton's hand. JKS.

Feb. 4th 5

Dear Mr. Rees

I have just come across a letter of yours dated June 22nd/84 with an indorsation in the corner by my own — to be answered —

As I was in the North West at that time I believe I never noticed this communication. It may be better late than never as I answer now. — I have many duplicates of both new and common species and will gladly make an exchange from these. As to what right I will take at the species you have and those I give you as many in return of that will [illegible]. I think I have your own — [illegible] from them — is the one I have been so busy in about about. I had named it B. [illegible] and [illegible] made it a form of B. [illegible] but I am not satisfied with that decision. I will yet make specimens the coming summer.

Very truly yours
[illegible]

Prof. John K. Rees
Columbia College
New York.

The specimens of [illegible] is in Dr. Britton's hand.
Yours.

Feb 4th 5

Dear Prof. Eaton.

I send enclosed a number of stems of Sphagnum I have picked out from material sent to me two years since by the Rev. C. Waghorne of Newfoundland. I take the most of it to be Sphagnum Mendocinum and perhaps some S. rufescens. Please examine it and should it turn out to be at least in part Mendocinum I will be able to give you some of it. Perhaps 30 stems.

I would be glad if you would put what you make out to be each species in a cover by itself and return it all to me. Each stem sent represents a number of single stems I have and should any of them be of value to you I will return more of it with pleasure. Hoping to hear from you soon I remain very truly yours

John Macoun

Prof. D. C. Eaton
Yale College
New Haven
Ct.

Feb 4th 5

Dear Prof. Eaton.

I send enclosed a number of stems of Sphagnum. I have picked out from material sent to me two years since by the Rev. C. Stephens of Southwestland. I take the most of it to be Sphagnum Wulfianum and perhaps some S. . Please examine it and should it prove not to be at least in part Wulfianum I would be able to give you some of it. Perhaps 30 stems.

I would be glad if you would put what you make out to be such species in a tube by itself and return it to me. Each stem sent represents a number of single stems I have and should any of them be of value to you I will return more of it with pleasure. Hoping to hear from you soon I remain very truly yours

John Macoun

Prof. D. C. Eaton
Yale College
New Haven
Ct.

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Feby. 6th

C. Power Esq

Dear Sir,

Your note with enclosure came this morning and I hasten to thank you for your kindness in sending to me the card of membership of the "Royal City Art and Scientific Society". Please convey to the President my high appreciation of the honor done me and assure the that anything that I can do for the Society or its members will be cheerfully done.

I may have the pleasure of being with you for a short time the coming sum

Very sincerely yours
John Macoun

14 Feby. 6th

D. Brown Esq.

Dear Sir.

Your note with enclosure came this morning and I hasten to thank you for your kindness in sending to me the card of your club, of the "Prospect Listing Heat and Ventilating Society". Please convey to the President my high appreciation of the honor done me and assure him that anything that I can do for the Society in the meantime will be cheerfully done.

I may have the pleasure of being with you for a short time the coming season.

Very sincerely yours

John Mason

Feb. 5th 5[illegible]

[illegible]

My [illegible] received your first letter last year a[illegible]
referred [illegible] Mr. Saunders who has charge of our
experi[illegible] stations. When you[illegible] second written
in [illegible] came I was unable to read it as I
am not [illegible] to read German and it was laid
as[illegible] for [illegible] time and completely lost sight of
until [illegible] it turned up in a bundle of [illegible]
A [illegible] has just translated it for me and I am
[illegible] understand you ask for.

You wish to know the vegetation of our [illegible]
[illegible] anything about these I may say [illegible]
[illegible] send by this mail the [illegible]
[illegible] already [illegible]
[illegible] look for a few
[illegible] Sphagnum [illegible]
[illegible] but of [illegible]
Bryums are our [illegible]
Sphagnum prevails. [illegible] are large
[illegible] in all our [illegible] and boggy as the
[illegible] Vaccinium
[illegible] Cyperaceae [illegible] places and on
[illegible]

plains. You will see by my catalogue the distribution of the various species and should you not clearly understand exactly what you want to learn write me again and I will answer promptly.

Quercus palustris grows in wet or rather damp soil but not in water. It is really a southern tree with us. It grows between Lake Ontario and Lake Erie. On the other hand Fraxinus sambucifolia is a northern tree and delights in undrained soils where water will stand on the surface for two months in the year. Sphagnum does not grow in Black Ash swamps except occasionally a little of S. squarrosum.

Our peat swamps are often without trees but when trees are present they take the following order Larix: americana, Picea nigra, Thuja occidentalis, Fraxinus sambucifolia, Populus balsamifera, Abies balsamea, Picea alba which brings us to the dry ground where the regular mixed forest begins. This is the arrangement in any and around all peat swamps between Lat. 44 - 45 [illegible] here to eastern America. We have three Piceas, alba is rubra and nigra. The latter grows in cold wet swamps in the east but as it passes west becomes a fine tree

2

Mexico. You will see by my catalogue the distribution of the various species and should you not clearly understand exactly what you want to have write me again and I will answer promptly.

American [illegible] proves is not a rather damp soil but not in water. It is really a northern type with us. It ranges between Lake Ontario and Lake Erie. On the other hand [illegible] is a northern type and [illegible] in [illegible] which [illegible] one [illegible] for two [illegible] the year. [illegible] does not appear in [illegible] [illegible] a [illegible] hybernation.

Our [illegible] are often northward [illegible] but when [illegible] they take the following order [illegible]: [illegible], [illegible], [illegible], [illegible], [illegible] [illegible] which brings me to the [illegible] region [illegible]. This is the arrangement [illegible] and [illegible] all [illegible] between Lat. 44 - 45 [illegible] [illegible] [illegible]. We have [illegible] [illegible] [illegible]. The latter [illegible] [illegible] in the [illegible] [illegible]

3

and changes its habitat to a drier situation. I am sending you a paper I read last May before our Royal Society on the Canadian forests which may interest you. At any rate it will supplement the information in the Catalogue.

Any further information you may want will be gladly given promptly.

I remain, dear Sir

Very sincerely yours

John Macoun

M. V. Sivers

Römershof

pr Riga

Russia

2

and change its habitat to a new situation. I am sending you a paper I read last May before the Royal Society on the Lancashire fossils which may interest you. It supports to some extent the information in the Catalogue.

Any further information you may want will be gladly given promptly.

I remain, dear Sir
Very sincerely yours
Fred Massee

W. F. Lowe
Government Geologist
Toronto

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Feb. 6th 5

My dear Madam.

Your letter and the results of your examination of the moss specimens reached me yesterday. I thank you very much for your trouble and will forward the specimens & results so that Prof. [illegible] may [illegible] to [illegible] as he is interested for the [illegible] examination.

It is not singular that you have made no species to agree with the same locality that [illegible] in my determination of the other material. I [illegible] undoubted leaves of Vaccinium uliginosum [illegible] with the other material make the climate like that of Labrador or along the Gulf of St. Lawrence at the present time.

I thank you very much for the speci[mens] that came, in good order, a few days since. I prize them very highly and hope in the future [illegible] more time [illegible] to critical work. During the [illegible] next two years [illegible] chief work will be getting [illegible] Lichens [illegible] I have finished the Bulletin [illegible] [illegible] at night. We have [illegible] [illegible] [illegible]

Feb. 6th 5

My dear Macdonald

Your letter and the results of your examination of the rare specimens reached me yesterday. I thank you very much for your trouble and will forward the specimens to Toronto so that Prof. Coleman may [illegible] to be included [illegible] for the Colonial exhibition.

It is most satisfactory that you have made an [illegible] so [illegible] the same [illegible] that [illegible] determination of the other material. I [illegible] understand [illegible] of [illegible] [illegible] with the other material [illegible] the [illegible] that of Labrador or along the Gulf of St. Lawrence at the present time.

Thanks you very much for the [illegible] that came, in good order, a few days since. I [illegible] them very highly and hope in the future [illegible] some time [illegible] to collect [illegible] [illegible] the most [illegible] may [illegible] would be [illegible] [illegible] [illegible] I have [illegible] the [illegible] [illegible] [illegible] at night [illegible] have [illegible]

2

[illegible] da and Alaska including Greenland.
[I] am getting along slowly writing my monograph
& will send you about 10 in a day or two. They
are nearly all new species and you may find out that
many of them are imperfectly characterized. As you
will [receive] them before I print them anywhere else
and [have] the material under each species from the
same place I will print any corrections you may make
on the cover of the packet. Here I send them anywhere
[illegible] I will follow your directions exactly regarding
[illegible] illustrations but you will get the only complete one.

When writing to Prof. Colomini I will say that your
determinations are as nearly correct, as the condition of
the material would permit.

Very sincerely yours
John Macoun

[illegible] Britton
Columbia College
New York

2

[illegible] and Alaska including Greenland.

[illegible] always already nothing [illegible] about [illegible] in a way so far. They [illegible] all more [illegible] may find out that [illegible] of them are [illegible], as you [illegible] before I [illegible] them anywhere else [illegible] from the [illegible] place I [illegible] any [illegible] you may make [illegible] I send them [illegible] their [illegible] but your [illegible] of the only [illegible].

When [illegible] of Prof. [illegible] I [illegible] you [illegible] as [illegible] as [illegible] of [illegible]

Very sincerely yours

John Murray

[illegible] Britton

[illegible] College

New York

Feb. 6th 5

C. Hulme Esq.

Dear Sir,

Your letter of the 5th inst. is before me. After reading it I took it to Dr. Dawson our Director & he directs me to ask you to send a small hand specimen of the characteristic rock here and he will have it examined and send you the result. Pl. address the specimen to the Director c/o G. M. Dawson.

You are no doubt referring to Gibraltar Mountain and what I remember of it leads me to think it is precisely like the rock at Shawnigan and a very good stone for Macadam.

Very truly yours
John Macoun

Feb. 6th 93

[illegible] Holmes Esq.

Dear Sir,

Your letter of the 5th inst. is before me.

After reading it I [illegible] the Canaan [illegible]

[illegible] decided me to ask you to send a small hand

specimen of the characteristic rock here and he

will have it examined and send you the result.

Or we address the specimen to Mr. [illegible] Co. [illegible]

Canaan.

You are no doubt referring to [illegible]

[illegible] I remember of it here [illegible]

to think it is probably like the rock at [illegible]

and a very good stone for Macadam.

Very truly yours

John [illegible]

Feb. 7th 5

Dear Prof. Coleman.

I have now obtained the names of the enclosed mosses from Mr. N. L. Britton, Columbia College New York who is our best microscopic authority on Musci.

No 1 Limnobium (Hypnum) palustre
No 2 " " montanum
No 3 ~~[illegible]~~ Hypnum lycopodioides,
No 4 " aduncum
No 5 " fluitans.

All are water mosses. The first one grows in running water. The others prefer boggy places and fields.

Of the seeds leaves and stems I make out the following list. Larix Americana? Abies balsamea; Salix Equisetum, Alder, Carex aquatilis & C. utriculata Oxycoccus vulgaris and Vaccinium uliginosum Of the last two I am quite certain.

My opinion, of the conditions and climate, is that the climate was that of the northern part of the Gulf of St. Lawrence that it was not a peat bog but a pool bordered by trees just as we find them in our woods today. The climate was that of southern Labrador both cool and wet. We have all the species from just such a region, in our herbarium now.

Feb. 7th 6

Dear Prof. Coleman.

I have now obtained the names of the enclosed mosses from Mrs. N. L. Britton, Columbia College. Her work so far is our best recognized authority on Mosses.

No 1 Limnobium (Hypnum) palustre
No 2 " montanum
No 3 ~~Limnobium~~ Hypnum lycopodioides
No 4 " ochraceum
No 5 " fluitans.

All are water mosses. The first one grows in running water. The others grow in bogs and pools.

Of the woods leaves and others I made out the following list: Larix Americana? Abies balsamea, Taxus, Equisetum, Alder, Carex aquatilis, & C. utriculata, Oxycoccus palustris and Vaccinium uliginosum. Of the last two I am quite certain.

My opinion of the conditions and climate, is that the climate was that of the northern part of the Gulf of St. Lawrence that it was not a peat bog but a pool bordered by trees just as we find them in our woods to-day. The climate was that of northern Labrador both cool and moist. We have all the species, from just north of Ottawa, in our [illegible] woods.

2

... number Mrs. Britton's opinion is not absolute & she is quite right as regards the genus as there is mistaking generic differences under the microscope. It follows then that my opinion regarding the climate is not absolute but so near the truth that you may almost call it the truth.

Hoping you may make further investigations I remain very truly yours

John Macoun

Prof. A. P. Coleman
School of Science
Toronto

2

[illegible] under Mr. [illegible]'s opinion is not absolute & also is quite right as regards the grasses as there [illegible] manifesting genuine differences under the [illegible] conditions, [illegible] then that my opinion regarding the climate is not absolute but as even the truth that you may almost cut at the truth.

Hoping you may make further investigations I remain very truly yours

John Macoun

Prof. A. P. Coleman
School of Science
Toronto

Dear Sir

To-day I send you a packet
containing carices for your herbarium and a smaller
[illegible] for Mr. Deane who will call for them.
I also send specimens of what I call
Helianthus tuberosus (indigenous), Thelesperma ambiguum
and an unnamed Townsendia as well as T. sericea,
will you at your earliest convenience let me
know what you make of these plants? Keep the
specimens.

Yours truly
Jas. M. Macoun

Prof. M. L. Fernald
Cambridge
Mass.

Dear Sir

To-day I send you a packet containing seeds for your herbarium and a number [illegible] for Mr. [illegible] who will ask you for them.

I also send specimens of what I call Helianthus tuberosus (indigenous), [illegible] and an unusual [illegible] as well as [illegible]. Will you at your earliest convenience let me know what you make of these plants? Keep the specimens.

Yours truly

Geo. W. [illegible]

[illegible] W. G. [illegible]
[illegible]
[illegible]

" Feb. 7th 5

Dear Mr. Fletcher.

I received your note and the specimens of the
Elymus from Mr. J. Cuppage of Orillia yes-
terday afternoon. I have examined them this
morning and find they are undoubted specimens
of E. Canadensis. I take it to be just the common
form of Canadensis only possibly more lax.
There is really no Elymus villosus but there
is a variety of E. striatus of that name but the
species is quite distinct from Canadensis and quite
unlike what you send. You will notice that I say striatus
has never been seen by me when collected in Canada.
It is curious all these fellows think they have something
new and hence are greater than other folks.
I believe there are at least four forms of Canadensis
and should you cultivate them we could give them
new varietal names. The form sent may be glaucous
forms as I have it with smooth sheaths and having
glumes.

Very truly yours
John Macoun

Feb 7th 5

Dear Mr. Fletcher

I received your note and the specimens of the Lycopus from Mr. J. [illegible] & [illegible] yesterday afternoon. I have examined them this morning and find they are [illegible] specimens of L. Canadensis. [illegible] it is the [illegible] form of Canadensis only [illegible] more [illegible].

There is really no Lycopus [illegible] but there is a variety of L. [illegible] of that name but the species is quite distinct from Canadensis and quite unlike what you have. You will notice that I say [illegible] has never been seen by me nor taken collected in Canada. It is curious at what [illegible] fellows think they have something new and hence are greater than other folks.

I believe there are at least four forms of Canadensis and should you cultivate them we could give them more careful examination. The four [illegible] may be [illegible] [illegible] as I have at [illegible] [illegible] and [illegible] [illegible].

Yours truly,

John Macoun

Send to

Jas. M. Macoun
Geol. Survey
Ottawa.
Canada.

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Woman do	6d
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Geo. M. Mason
Local Survey
Ottawa.
Canada.

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